UNIVERSITY OF KERALA



ANNUAL REPORT

FOR THE YEAR 1964

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Annual Report of the University of Kerala
for the year 1964

Prepared by the Syndicate under Section 32 of Act 14 of 1957 and Section 6 of Chapter VII of the First Statutes and presented to the Senate for its review under Section 15 (2) (ix) of the Kerala University Act.

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UNIVERSITY OF KERALA

ANNUAL REPORT

For the Calendar Year 1964

According to Section 6 of Chapter VII of the First Statutes of the University of Kerala, the Annual Report of the University shall deal with the Calendar Year ending with 31st December, and shall be prepared by the Syndicate before 31st January of each year and submitted to the Senate at its next annual meeting held after the close of the year. Accordingly, the Annual Report of the University for the Calendar Year 1964 is submitted to the Senate. Under the provisions of Section 15 (2) (iv) of the Kerala University Act, the Senate is empowered to review the Annual Report and the Syndicate shall take action on the results of the review.

CHAPTER I

GENERAL

Steady progress was maintained in the work of the various departments and institutions of the University. The details are given under the appropriate headings; but special mention may be made of the following noteworthy events of the year:–

1. University Departments newly started

The School of Management Studies providing instruction for Post-graduate Diploma Courses in (a) Business Management, and (b) Industrial Management was started during the year at the Ernakulam Centre (temporarily located in the F. A. C. T. Training School, Udyogamandal) with the assistance provided by the University Grants Commission and the State Government.

2 New Colleges

The following junior colleges providing instruction for the Pre degree course were newly started during the year and affiliated to the University :—

(i) *Maintained by Government*

(Mixed College)

The Government Arts & Science College, Calicut.

(ii) *Colleges maintained by Private Managements*
(Mixed Colleges)

1. The Baselius College, Kottayam.
2. The Bishop Moore College, Mavelikara.
3. The Christian College, Chengannur.
4. The Deva Matha College, Kuravilangad
5. The Devaswom Board College, Sasthamcottah.
6. The Iqbal College, Peringamala.
7. The Milad-e-Sherief Memorial College, Kayamkulam.
8. The Newman College, Thodupuzha.
9. The Nirmalagiri College, Kuthuparamba.
10. The N. S. S. College, Nilamel P. O , Kottarakara.
11. The N. S. S. College, Pallipuram P. O , Shertallai.
12. The Pazhassi Raja N. S. S. College, Mattannur.
13. The S. N. M. Junior College, Maliankara.
14. The Sree Krishna College, Guruvayoor.
15. The Sree Narayana College, Chempazhanthi.
16. The Sree Narayana College, Shertallai.
17. The Sree Narayana College, Sivagiri, Varkala.
18. The St. Gregorios College, Kottarakara.
19. The St. John's College, Anchal.
20. The St. Peter's College, Kolencherry.
21. The St. Stephen's College, Pathanapuram.
22. The St. Stephen's College, Uzhavoor.
23. The St Thomas College, Ranni.
24. The T. K. Madhavan Memorial College, Nangiarkulangara.
25. The Velu Thampi Memorial N. S. S. College, Dhanuvachapuram.

(For Boys)

26. The Kuriakose Elias College, Mannanam.
27. The Loyola College, Kazhakootam. (Temporarily located for 1964-'65 in the Institute of Sociology, Cheruvikal P. O., Trivandrum.)

(For Girls)

28. The All Saints' College, Trivandrum.
29. The Alphonsa College, Palai.
30. The Mercy College, Palghat.
31. The St. Joseph's College, Irinjalakuda.
32. The St. Xavier's College, Alwaye.

3. Courses newly started

The following new courses were started during the year in the stitutions noted against each :—

Course	*Institution*
1. Pre-degree	(i) All the Arts and Science Colleges and Sanskrit Colleges which provided instruction for the Pre-University Course during 1963 – '64.
	(ii) Government Sanskrit College, Pattambi.
	(iii) All the Junior Colleges started during the year.
2. Post-graduate Diploma Courses in (a) Business Management (b) Industrial Management	School of Management Studies (University Centre, Ernakulam) F. A. C. T. Training School, Udyogamandal P. O., Alwaye.
3. D. C. H.	Medical College, Trivandrum.

4. Department newly instituted

The Senate sanctioned during the year the institution of a Department of English" and passed the necessary amendment to the atutes.

5. Diploma Courses newly Instituted

The Senate sanctioned during the year the institution of the llowing Diplomas and passed the necessary amendments to the atutes :—

1. Post-graduate Diploma Course in Business Management	In the Faculty of Arts

2.	Post-graduate Diploma Course in Industrial Management	In the Faculty of Arts
3.	Diploma Course in Translation	In the Faculty of Oriental Studies

6. Certificate Course newly instituted

The Senate sanctioned during the year the institution of a "Certificate Course in Translation and Secretariat Drafting in Hindi" in the Faculty of Oriental Studies and passed the necessary amendments to the Statutes.

7. Institution of additional Research Fellowships

The Senate sanctioned during the year the institution of—

(i) Twenty additional Junior Research Fellowships of the value of Rs. 150/- each per mensem, increasing the total number of Junior Research Fellowships to 50; and

(ii) Four additional Senior Research Fellowships of the value of Rs. 300/- each per mensem, increasing the total number of Senior Research Fellowships to 10.

8. Institution of additional Merit Scholarships

The Senate sanctioned during the year the institution of—

(i) Twenty additional merit scholarships of the annual value of Rs. 480/- each, raising the total number of merit scholarships for award to students studying in the Pre-University/Pre-degree class to 100;

(ii) Ten additional merit scholarships of the annual value of Rs. 600/- each, raising the total number of merit scholarships for award to students studying in the B. A./B. Sc./B. Com. courses to 110; and

(iii) Fifty additional merit scholarships of the annual value of Rs. 900/- each, raising the total number of merit scholarships for award to students studying in the M.A./M.Sc./M.Com. classes to 95.

9. Progress of Schemes under the Third Five Year Plan

Mention was made in the last report of the University Departments newly started during 1963-'64 at Trivandrum and at the University Centres at Ernakulam and Calicut. During the year under report one more Department—School of Management Studies—was started at the Ernakulam Centre as stated earlier.

Land Acquisition

Additional lands required for the University Campus, Trivandrum, at Karyavattom have been acquired on both sides of the National High Way and the total area so far taken over comes to about 480 acres.

As regards Calicut Centre, the University had acquired 157 acres of land at Calicut, but as it was considered not wholly suitable or adequate for the Centre, another site of 500 acres has been selected at Ramanattukara, 14 miles south of Calicut and land acquisition proceedings are under way

Buildings

The University Grants Commission had approved a programme for the construction of buildings under the Third Plan with an assistance of Rs. 14.8 lakhs from them The Commission, however, stated subsequently that on the basis of the funds at their disposal not more than 70 per cent of the proposed contribution could be agreed to as formally available to the University during the Third Plan period and that after further review it might be possible to allocate some additional funds. When this building programme was approved by the University Grants Commission, the future requirements of the University Departments concerned, incidental items of expenditure such as provision of hostels etc. and the progressive increase in the cost of construction were not adequately taken into account The matter was reviewed and expenditure as shown below for the construction of buildings in the University Campus at Karyavattom and the University Centres at Ernakulam and Calicut till the end of March 1966 was approved by the Syndicate.

Karyavattom .	Rs. 37 50 lakhs (excluding provision for Gandhi Bhavan)
Ernakulam	Rs. 19 50 lakhs
Calicut	Rs. 18.00 lakhs

The University Grants Commission and the State Government have been addressed for financial assistance to implement this programme.

At the beginning of the Third Plan, the following buildings sanctioned in the Second Plan remained to be constructed. —

1. University Library Building
2. Additional building accommodation for the Department of Education

3. Buildings for the Departments of Oceanography and Applied Chemistry
4. Women's Hostel Building
5. Buildings for the Health Centre
6. Building for the University Press
7. Non-resident Students' Home
8. Gandhi Bhavan

All the above buildings have since been completed except the Non-resident Students' Home and Gandhi Bhavan which are nearing completion.

All the building programmes are being taken up, except that for the University Centre at Calicut for which a new site as already stated has been selected.

At Karyavattom, construction of the following buildings was started during the year :—

1. Engineer's Office
2. Building for the Department of Botany
3. Guest House

The University has also approved estimates for a Physical Science building (Rs. 9·25 lakhs) and a Hostel for men students (Rs. 5·50 lakhs). Plans are being prepared for the remaining buildings in consultation with the Architect.

Ernakulam Centre

At Thrikkakara, construction of the following buildings has been taken up during the year :-

1. Engineer's Office
2. Building for the School of Business Management

The University has also approved estimates for a building for the Physics Department (Rs. 9·85 lakhs) and a Hostel for men students (Rs. 5·94 lakhs). Plans for the remaining works are being finalised in consultation with the Architect.

Appointment of Staff

Appointments to the teaching staff in the University Departments were made after advertisement and selection in accordance with Section 6 of Chapter V of the Statutes.

Details of staff newly appointed in the University Departments during the year are given below.

University Department	*Name of person appointed*	*Designation*
	(At Trivandrum)	
1. Department of Economics, Trivandrum.	Dr. E. T. Mathew, M.A., Ph D.	Reader
2. Department of Mathematics and Statistics, Trivandrum.	1 Dr. B. R. Sreenivasan, M.A., Ph D.	Reader
	2. Shri P. Ramankutty, M. Sc.	Lecturer in Mathematics
3 Department of Chemistry, Trivandrum.	1. Dr P. T. Joseph, M Sc, Ph D.	Reader in Inorganic Chemistry
	2. Shri C. G. Ramachandran Nair, M. Sc, Ph. D	Lecturer in Inorganic Chemistry
	3 G. M. Devasia, M. Sc, Ph D	do.
	4. Dr. D. Joseph Francis, M Sc, Ph D	Lecturer in Physical Chemistry
	5 Shri J. Mohan Das, M Sc.	Instructor
4 Department of Geology, Trivandrum.	1. Shri P. K. Rajendran Nair, M. Sc.	Lecturer
	2 Shri Raju Philip, M. Sc.	do.
5. Aquarium, Trivandrum (attached to the Department of Marine Biology and Fisheries)	Dr. P. A. John, M Sc, Ph D.	Research Officer
6. Department of Linguistics, Trivandrum.	1 Shri G. Kesava Panicker, M. A.	Lecturer
	2. Shri S. Velayudhan Asari, M. A.	Research Assistant
	3. Smt. A. Kamatchi, M. A.	do.

	University Department	Name of person appointed	Designation
		(At Ernakulam Centre)	
7.	Department of Physics (Union Christian College Campus, Alwaye)	1. Dr. Joy George, M. A., Ph. D.	Reader
		2. Dr. G. Arul Das, M. Sc., Ph D.	Lecturer
8.	Department of Hindi, Ernakulam.	1. Dr. M. Malik Mohammed, M. A., Ph. D.	Lecturer
		2. Shri A. Ramachandra Dev, M. A.	do.
		3. Shri M. Easwari, M. A	Research Assistant
		(At Calicut Centre)	
9.	Department of History (Guruvayurappan College Campus, Calicut)	Shri M. G. Sankaranarayanan, M. A.	Lecturer
10.	Department of Chemistry (Farook College Campus, Feroke)	1. Dr. C. P. Savariar, M. Sc., Ph. D.	Lecturer in Inorganic Chemistr
		2. Dr. K. C. Eapen, M. Sc., Ph. D.	Lecturer
11.	Department of Botany (St. Joseph's College Campus, Devagiri, Calicut)	1. Dr. K. S. Manilal, M. Sc., Ph. D.	Lecturer
		2. Shri J. Christopher, M. Sc.	do.
12.	Department of Zoology (St. Joseph's College Campus, Devagiri, Calicut)	1. Dr. V. K. Kesava Prabhu, M. Sc., Ph. D.	Lecturer
		2. Shri P. T. Thomas, M. Sc.	do.

10. *Pay scales of teachers in non-Government affiliated colleges*

The University Grants Commission scheme for revision of salary scales of teachers in the non-Government affiliated colleges under the Second Five Year Plan, was terminated by the 31st of March 1961. Under the provisions of the Grant-in-aid Code, the managements of the private colleges are maintaining the U. G C scales of pay for their teachers as a permanent measure. The U. G C assistance in respect of 2 Arts and Science Colleges and 5 Training Colleges, which introduced the U.G.C. scales of pay under the Third Plan, is continuing and during the year the U. G. C. sanctioned a sum of Rs. 18,995 86 towards its share.

11. Courses of Study, Scheme of Examinations, Syllabus, etc.

1. In view of the rapid progress and increased importance of Cytology and Genetics, a slight change in the scheme of examination for M. Sc. Zoology has been made.

2. For M. A. degree examination in Hindi Language and Literature, in addition to Sanskrit, Malayalam, Tamil and Kannada have been prescribed as subsidiary languages

3. A. C. C. training was deleted from the B Ed course

4. For the M. L. degree examination, presentation of thesis has been re-introduced as a requirement for all candidates in addition to essay paper with effect from the academic year 1965-'66.

5. It has been decided to stop private admission to the M. L. degree examination in branches in which regular instruction is given in the University Department of Law or in any of the affiliated Law Colleges from the examinations of 1966.

6. Scheme of examinations for the fourth and fifth years of the Five-year Integrated Course in Engineering was prescribed.

7. A new set of regulations for Ph D Degree in the Faculty of Engineering were framed

8. Changes in the maximum marks for periodical class tests and clinical / practical Examinations of the Final M B. B. S. Examination Parts I and II recommended by the Faculty of Medicine to ensure uniformity in evaluation were accepted

and brought into force from the examinations of December 1964.

9. Ordinances for the following examinations were prescribed:-

   (i) D.O. (Diploma in Ophthalmology)
   (ii) D.C.H. (Diploma in Child Health)

10. The courses of study, scheme of examinations, syllabuses, etc. for the following examinations were prescribed during the year:—

   (i) B. Sc. (Nursing)
   (ii) M Sc. (Demography)

11. For the Final B. D. S. examination under the old scheme practical examinations in Periodontia and Orthodontia were introduced from the examinations of April 1964.

12. For M. Sc. (Agriculture) the following minor subjects were added:—

   (i) Agricultural Economics
   (ii) Agricultural Extension
   (iii) Bio-chemistry

12. Research Schemes accepted by the University for implementation

1. *Studies on the Endocrinology of Reproduction in Crustacea*

A scheme of research for "Studies on the Endocrinology of Reproduction in Crustacea" extending over a period of three years, prepared by Dr. K. K. Nayar, Head of the Department of Zoology of the University, was submitted to the Bureau of Commercial Fisheries of the U. S. A. The Bureau approved the scheme and agreed to give a grant of $ 80,000/- for carrying out the scheme for a period of three years from April, 1964.

The scheme was accepted by the University for implementation under the supervision of Dr. K. K. Nayar and is located at Trivandrum. The posts included under the scheme, viz., one Research Associate, one Technical Assistant, one Research Assistant, and one Office Assistant were created for a period of three years.

2. *Reproductive Biology of Insects*

A scheme of research on "Reproductive Biology of Insects" extending over a period of five years, prepared by Dr. K. K. Nayar,

Head of the Department of Zoology of the University, was submitted to the Ford Foundation for financial assistance for carrying out the scheme. The Ford Foundation sanctioned a grant of $ 1,19,000/- to the University to expand research and post-graduate training in Reproductive Biology in the University Department of Zoology for a period of five years. Out of the total grant, a sum of $52,000/- will be operated by the University as follows:—

Consumable and local equipment	..	$ 27,000
Strengthening of staff (salaries for 5 years)	.	$ 25,000
Total	..	$ 52,0 0

Of the balance amount, $ 37,000/- is for the purchase of equipments from the U. S A. and $ 30,000/- for meeting the salary and other expenses of a foreign expert who will work in the University Department of Zoology, for one year.

The scheme was accepted by the University for implementation under the supervision of Dr. K K. Nayar, and it is located at Trivandrum. The posts included under the scheme, viz, one Research Associate, two Research Assistants and one Technical Assistant-cum-Photographer, were created for a period of five years

13. Recognition of the B. D S Degree of the University by the Dental Council of India

Under Section 10(2) of the Dentists Act, the Dental Council of India has recognised the B D S. Degree awarded by this University.

14 General Inspection Commissions

(i) *For Arts and Science Colleges*

The General Inspection Commission appointed to inspect the Arts and Science Colleges to assess with regard to each College the facilities available in respect of accommodation, library, laboratory, equipment, staff and amenities provided for students and teachers and to suggest improvements for the general betterment of colleges was re-constituted during the year.

The following colleges were inspected by the Commission during the course of the year:—

1. The Mahatma Gandhi College, Trivandrum.
2. The Mar Ivanios College, Trivandrum.

3. The N. S. S. College for Women, Trivandrum.
4. The Sree Narayana College, Quilon.
5. The Sree Narayana College for Women, Quilon.
6. The Fatima Mata National College, Quilon.
7. The N. S. S. College, Pandalam.

During its visit to the colleges, the Commission met representative groups of students, teachers and managements of Colleges and had discussions with them.

Inspection of some more of the Arts and Science Colleges is expected to be completed before the end of the current academic year.

(ii) *For Training Colleges*

A General Inspection Commission has been appointed to inspect all the Training Colleges affiliated to the University with a view to assessing the facilities available, the amenities provided for students and teachers, staff position, etc. and their adequacy with particular reference to the number of students studying in the colleges and to suggest improvements if called for. The Commission will also look into the quetison of the need for sanctioning any new Training College during 1965-'66 in the light of the facilities existing in the Training Colleges and the demand for trained teachers in the State.

The members of this Commission are—

1. Shri A. N. Thampi, (Chairman)
   Chairman,
   Kerala State Education Advisory Board,
   Trivandrum.

2. Fr. T. C. Thomas,
   Principal, Mar Thoma College,
   Thiruvalla.

3. Dr. Sologran,
   Principal, St. Xavier's College of Education,
   Bombay.

4. Dr. N. V. Thirtha,
   Professor of Education, Teachers' College,
   Osmania University, Hyderabad. (A. P.)

5. Dr. N. P. Pillai,
   (Dean, Faculty of Education) (Secretary)
   Professor & Head of the University
   Department of Education,
   Trivandrum.

The Commission is to inspect the 19 Training Colleges in 3 phases during January-February, 1965.

15. Legal Education Commission

A Legal Education Commission consisting of the following persons was appointed to study and report on the position of Legal Education in the University and make suggestions for its improvement:-

1. Shri B. P. Sinha, (Chairman)
   Retd. Chief Justice of India,
   Supreme Court Buildings,
   New Delhi
2. The Dean, Faculty of Law
   of the University.
3. The President of the Kerala Bar Council,
   Ernakulam.
4. The Director of Legal Studies,
   Madras.
5. The Dean, Faculty of Law,
   Osmania University, Hyderabad.
6. Shri V. R. Krishna Iyer,
   Ex-Law Minister and Advocate,
   Ernakulam.
7. Prof. Bertram F. Willcox,
   Legal Consultant,
   The Ford Foundation,
   32, Ferozshah Road,
   New Delhi.
8. Shri M. S. Menon,
   Chief Justice of Kerala,
   Ernakulam.
9. The University Professor of Law
   (Member Secretary)

The Commission has submitted its report and it is under consideration.

16. Seminars, Summer Schools, etc.

The conduct of the following Seminars, Summer Schools, etc. formed an attractive feature of the year

1. Seminar on "Democracy and Education".
2. Seminar on "Student Personnel Services".

3. Seminar on "Recent Trends in the Study of Political Science."
4. Seminar on "Raman and Infrared Spectroscopy."
5. Seminar on "Hindi for College Teachers".
6. Seminar for Teachers of English.
7. Seminar on "Post-graduate Teaching of Malayalam."
8. Annual Conference of the Indian Academy of Applied Psychology.
9. Summer School of Linguistics.
10. Summer Course in Advanced Mathematics.
11. Summer Course (Advanced) for Statisticians.
12. Summer Institute of Biology.
13. Refresher Course for Pre-degree Teachers of Mathematics.

OFFICERS OF THE UNIVERSITY

Chancellor: Shri V. V. Giri, Bar-at-Law, Governor of Kerala. (ex-officio)

Pro-Chancellor: Shri R. Sankar, B. A., B. L., Chief Minister & Minister for Education, Kerala State. (ex-officio) (till 10th September, 1964)

Vice-Chancellor: Prof. Samuel Mathai, M.A. (Oxon.)

Registrar: Shri A. M. N. Chakiar, B. A.

Legal Adviser to the University

Shri V. Parameswaran Pillai, M. A., M. L., Advocate, was appointed Legal Adviser to the University for a period of two years on a retaining fee of Rs. 250/- per mensem from 7th July, 1964 vice Shri Parur T. K. Narayana Pillai resigned.

Development Officer

Shri K. M. Peter, Joint Secretary to Government, has been appointed on deputation basis as Special Development Officer of the University. He is in charge of matters connected with the establishment of the three University Centres, the development schemes of the University coming under the Five Year Plans and the grants to be obtained from the University Grants Commission, the Government of India and the State Government.

STATUTORY AUTHORITIES

The Senate

The term of the second Senate constituted under Section 13 of the Kerala University Act—Act 14 of 1957, expired on 27th June 1964. The Senate was reconstituted with effect from 28th June, 1964. A list of the members of the reconstituted Senate is given as Appendix I

Two meetings of the Senate were held during the year. The annual meeting was held on 2nd and 3rd March, 1964, and an ordinary meeting on 20th and 21st November, 1964.

The Syndicate

During the year under report the following persons were elected to the Syndicate from the constituencies noted against each.—

	Name	Constituency
1.	Rev. Fr. Xavier Kaniampurath, Principal, St. Albert's College, Ernakulam.	Principals of Colleges
2.	Rev. Fr. T. C. Thomas, Principal, Mar Thoma College, Thiruvalla	do.
3.	Shri P. S. Velayudhan, Principal, Maharaja's College, Ernakulam.	do.
4	Shri M. George, Principal, Law College, Trivandrum.	do
5.	Rev. Fr. Joseph Kureethadom, Principal, St. Thomas College, Palai.	Senate
6	Shri P. S. George, Advocate, Kalleekal Plamootil, Thiruvalla.	do.
7.	Shri K. Velayudhan Nair, Advocate, Ernakulam.	do.
8.	Shri V. R. Subramoniam, Lecturer in English, St. Thomas College, Trichur	do.

9. Shri P. P. Hassan Koya, Court Road, Calicut.	Senate
10. Dr. N. P. Pillai, Professor & Head of the University Department of Education, Trivandrum.	Deans of Faculties
11 Dr. C. K. N. Nair, Principal, Agricultural College, Vellayani.	do.
12. Dr. A. Abraham, Professor & Head of the University Department of Botany, Trivandrum.	Heads of University Departments
13. Shri V. Narayana Pillai, Retd. Principal, University College, Lakshmi Bhavan, Bhakthivilas Road, Trivandrum.	Combined Faculties

The Syndicate held 12 meetings during the year.

The Faculties

The Faculties, whose term expired, were reconstituted for a period of three years from 1st April, 1964.

The Faculties of Arts, Science, Oriental Studies, Fine Arts, Commerce and Medicine met twice during the year.

The Faculties of Law, Education, Engineering, Ayurveda, Agriculture and Veterinary Science met once during the year.

In connection with the starting of the Pre-degree course from 1964–'65, a joint meeting of the Faculties of Arts, Science and Oriental Studies and another joint meeting of the Faculties of Arts and Oriental Studies were also held during the year.

The Boards of Studies

Two new Boards of Studies, one in Demography and another in Business and Industrial Management, were constituted for a period of three years from 16th June, 1964 and 23rd December, 1964 respectively.

The Board of Studies in Kannada was reconstituted for a period of three years from 1st April, 1964.

The Boards of Studies in Psychology, European Languages, Geology, Home Science, Tamil, Kannada, Islamic Studies, Hebrew and Syriac, Music and Medicine and the Pass Boards in English, History, Economics, Politics, Philosophy, Mathematics, Physics, Chemistry, Botany, Zoology, Malayalam, Sanskrit, Hindi, and Commerce met twice during the year. All the remaining Boards of Studies except the Board of Studies in Marine Biology and Oceanography met once during the year. The Boards of Studies in Marine Biology and Oceanography did not meet.

The Syndicate reports with regret the demise of the following persons:—

1. Shri K. I. Varghese — Member of the Senate and Principal, Government Training College, Trichur.
2. Shri K. M. Joseph — Member of the Senate.

LEGISLATION

Statutes

The ammendments made to the Statutes of the University by the Senate and assented to by the Chancellor during the year are given as Appendix II.

Ordinances

In accordance with Section 37 (3) of the University Act, the First Ordinances of the University, as approved by Government, were published in the Government Gazette.

CHAPTER II

UNIVERSITY TEACHING
AND
RESEARCH DEPARTMENTS

I. At Trivandrum

1. Department of Economics

Staff

Professor and Head of the Department	Shri V. R. Pillai, M.A., M.Sc. (Econ.) (Lond.)
Readers:	1. Dr. P. G. K. Panikkar, M.A., Ph.D.
	2. Dr. E. T. Mathew, M.A., Ph.D. (Joined on 23-9-1964)
Lecturer:	Shri M. A. Oommen, M.A.
Research Assistant:	Shri P. R. Gopinathan Nair, M. A.

Prof. V. R. Pillai proceeded to the United States in September, 1964 as Visiting Professor at Drake University, Iowa State. After one semester at Drake University, he has been making a study of Research Orientation of Industrial Relations Centres attached to Universities in the States. Dr. P. G. K. Panikkar was put in charge of the Department during the absence of Prof. V. R. Pillai.

Shri M. A. Oommen proceeded to Naples in the third week of December, 1964 on an Italian Government Scholarship to undergo training for six months in the Institute of Economic Development Studies, Naples.

Teaching

The department offers instruction for M. A. in Economics and provides facilities for research leading to the Ph.D. degree in Economics. Mathematical Economics is one of the optional subjects offered for M.A.

Students

M. A. (Economics) (1964-'65)	*Men*	*Women*	*Total*
Previous	5	6	11
Final	8	2	10
	13	8	21

Research Students: 6

A symposium on "Price Trends and Price Policy" was conducted under the auspices of the Department on 7-11-1964 in which teachers of local colleges and officers of some Government Departments participated. Ten papers dealing with different aspects of the problem were presented on the occasion.

Research

Prof. V. R. Pillai made a study of the finances of local self-governing bodies in Kerala.

Dr. P. G. K. Panikkar completed a study on the measurement of rural unemployment in India.

The progress made by the staff and students in their work during the year is shown below :

Staff Member/ Research Student	*Degree for which registered*	*Problem under investigation*	*Progress made*
Full-time			
1. Shri M. Sasidharan Nair (University Junior Research Fellow)	Ph. D.	Income distribution in Indian Agriculture	Review of back-ground material completed. Formulation of a hypothesis and method of testing it are being worked out
2. Smt. M. Sarala Kumari (University Junior Research Fellow)	Ph. D.	International trade and economic growth with special reference to India	Preliminary survey in progress.
Part-time			
3. Shri M. A. Oommen	Ph. D.	Small scale Industries in Kerala	First draft of the thesis prepared.
4. Shri G. Krishnan Kutty	Ph. D.	Capital formation in India	Two-thirds of the thesis drafted.
5. Shri K. Ramachandran Nair	Ph. D.	Industrial relations in Kerala	Six chapters of Section I completed. Data collection for Section II in progress.
6. Shri P. Madhusudhana Perumal Pillai	Ph. D.	Balance of payments problem in a Developing Economy with special reference to India	A general survey of the field and development of bibliography completed.
7. Shri C. Narayanan	Ph. D.	Industrial Organisation in Kerala	Collection of data completed.

Research Projects

(a) *Farm Management Studies*

The project is sponsored by the Directorate of Economics and Statistics, Ministry of Food and Agriculture, Government of India, and is directed by Prof. V. R. Pillai and Dr. P. G. K. Panikkar.

The project is devoted to a detailed study of sample agricultural holdings in Quilon and Alleppey districts covering a period of three years beginning with 1962-'63. It is expected to make available a good lot of detailed information on agricultural production and input-output relationships which will be of immense value in the formulation of agricultural plans and carrying out of extension work.

The scheme was started in September, 1961 and the preliminary operations were completed by February, 1962. Intensive survey began in March, 1963. The technical report covering the first survey year 1962-'63 has been completed and forwarded to the Directorate of Economics and Statistics. It is expected to be published shortly. Field work under the scheme is being continued and is expected to be over by next April. The tabulation and analysis of the data relating to the second year are under way.

Shri P. Bhaskaran Nair, Senior Research Investigator, and Shri V. N. Krishnan Namboothiri, Statistical Assistant of the project, participated in a short Training-cum-Workshop programme organised by the Indian Society of Agricultural Economics at the Agro-Economic Centre, Madras University, Madras.

(b) *An Empirical Study of the Degree of Monetisation in the Rural Sector in Kerala*

The scheme is financed by the Research Programmes Committee of the Planning Commission and is directed by Prof. V. R. Pillai and Dr. P. G. K. Panikkar.

The study attempts a quantitative analysis of the extent of the use of money in the economic transactions in the rural sector in Kerala.

The collection of data covering 360 sample households in 12 selected villages of Trichur, Palghat and Calicut districts for the period 1962-'63 has been completed. Compilation work is over. Tabulation and analysis are in progress.

2. Department of Politics

Staff

Reader and Head of the Department	Dr. V. K. Sukumaran Nayar, M. A., Ph.D. (Yale)
Lecturers:	1. Dr. N. Parameswaran Nair, M. A., Ph.D.
	2. Shri R. Ramakrishnan Nair, M. A., LL. B.
	3. Dr. N. R. Visalakshi, M. A., M. Litt., Ph. D.
Honorary Lecturer and Post-Doctoral Research Fellow (till August 1964)	Dr. John W. Spellman, Ph D. (Lond.), F. R. A. S.
Research Assistant	Shri K. Sukumaran Nair, M. A., LL. B.

Shri N. Parameswaran Nair was awarded the Ph.D. Degree by the Indian School of International Studies for his thesis on "Administration of Foreign Affairs in India".

Courses offered

The Department provides instruction for M.A. course in Politics and facilities for research leading to M.Litt. and Ph.D. Degrees covering branches of Indian and Western Political theory, Political parties, Political behaviour, Indian Government and Public Administration.

Students

M.A. (Politics) (1964-'65)	*Men*	*Women*	*Total*
Previous	9	3	12
Final	13	3	16
	22	6	28
Research Students			
M. Litt.	1	2	3
Ph. D.	13	1	14
Post-Doctoral Research	1	–	1
	15	3	18

All the ten students who were presented from the Department for the M. A. Degree examination in Politics of March-April 1964 were successful—one was placed in the first class, seven in the second class and two in the third class.

Research

By the Teaching Staff: Dr. V. K. Sukumaran Nayar completed his research project on the "Machinery for Planning and Plan Implementation in Kerala" under a research scheme sponsored by the Research Programmes Committee of the Planning Commission. A summary of the report was published in the press and the detailed report has been got ready.

Dr. Sukumaran Nayar participated as a member of the Indian group in the Round Table of the International Political Science Association held at Bombay in January, 1964 and presented a paper on 'Communal Interest Groups and Political Leadership in Kerala'. He is currently engaged in a study of the forthcoming elections in collaboration with Professor Eldersveld, Chairman of the Department of Political Science, University of Michigan, and Shri Rajni Kothari, Director of the Centre for the Study of Developing Societies, New Delhi.

Dr. Sukumaran Nayar has also contributed to a forthcoming book on 'Religion and Politics in South Asia' edited by Prof. Donald E. Smith of the University of Rhode Island, U. S. A.

Dr. Parameswaran Nair is collaborating in the study of the forthcoming general elections in Kerala.

Shri R. Ramakrishnan Nair completed the major part of his Ph. D. thesis on the 'Role of the Swaraj Party in the Indian Legislature'. He also completed a study of "How Communists came to power in Kerala" and it is in the press.

Dr. John W. Spellman (Post-doctoral Fellow) was engaged in a study of "Kerala Politics since Independence". He has completed his field work and is now writing a book on the subject

Shri K. Sukumaran Nair completed the first draft of his thesis "The Development of Public Administration in Kerala". He collaborated with Dr. Sukumaran Nayar on a study of Panchayat elections in Kerala.

Research was carried out by the students of the Department on the problems noted below against each :

	Name of Research Student	*Degree for which registered*	*Problem under investigation*
	Full-time		
1.	Shri K. Kesava Panicker	Ph. D.	Community Development Administration in Kerala
2.	Mr. Henry Reynolds Breck	Ph. D.	Emerging Pattern of Kerala Politics, 1960-'65
3.	Shri K. Sadasivan Nair	Ph. D.	The Congress Party in Kerala
4.	Shri V. Gopalakrishnan Nair	Ph. D.	The Organisation of Elections in Kerala
5.	Shri J. Darwin	Ph. D.	The Communist Party in Kerala
	Part-time		
6.	Shri S. Gopakumaran Nair	Ph. D.	The Congress-League Conflict, 1920-'47
7.	Smt. K. Sivakumari	Ph. D.	The Language Issue in Indian Politics
8.	Shri K. R. Ramakrishna Pillai	Ph. D.	Political and Administrative Problems of Education in Kerala
9.	Shri T. C. Rajan	Ph. D.	Rural Government in Kerala
10.	Fr. Joseph Pantholil	Ph. D.	Indian and Western Concepts of Natural Law
11.	Shri V. Gangadharan Pillai	M. Litt.	Administrative Problems of State Enterprises in Kerala
12.	Smt. K P. Leela Devi Amma	M. Litt.	Public Health Administration in Kerala

Kumari Devi Ananda Kusumam, Junior Research Fellow, who was working in the Department, completed her work on the " Legislature in Kerala, 1947-'62 ".

Overseas Fellowships

Dr. John W. Spellman held a post-doctoral Fellowship from the Overseas Scholarship Foundation, New York—a subsidiary of the Ford Foundation. He relinquished the Fellowship in August, 1964 to accept an Assistant Professorship in the University of Washington, Seattle, U.S.A.

Mr. Henry Reynolds Breck from the United States joined the Department as a Research Fellow. He is holding a research fellowship from the Education Fund, Detroit, which is also a subsidiary of the Ford Foundation.

Symposium

A symposium on "Civil and Human Rights of Minorities in U. S. A. – the Status of the Marginal Man" was held under the Chairmanship of Dr. V. K. Sukumaran Nayar at Trivandrum from 12th to 14th December, 1964. Four American Professors representing the fields of Political Science, Sociology and Economics and about a hundred persons drawn from the teaching staff of local colleges as well as from the ranks of research scholars and post-graduate students participated in the symposium.

Research Projects

1. The project on the "Machinery for Planning and Plan Implementation in Kerala" sponsored by the Research Programmes Committee of the Planning Commission and directed by Dr. V. K. Sukumaran Nayar with the assistance of two Research Officers, Shri V. Gangadharan Pillai and Shri N. Chandrasekhara Pillai, was completed during the year.

2. A project on the study of the forthcoming elections in Kerala has been started from October, 1964. The project is a joint venture of the University of Kerala, the University of Michigan and the Centre for the Study of Developing Societies, New Delhi. The Rockefeller Foundation has given a grant of 6,400 dollars for the study.

3. Department of Psychology

Staff:

Reader and Head of the Department	Dr. E. I. George, M.A., Ph.D. (Lond.), A.B.Ps.S. (England)
Lecturers:	1. Dr. P. Gopala Pillai, M.A., Ph.D.
	2. Dr. K. Devadasan, M.A., Ph. D.
Research Assistants:	1. Shri Joseph I. Thomas, M.A.
	2. Shri P. A. Abraham, M.A., M.Ed.
	3. Shri V. Ramachandran Nair, M.A.
	4. Shri Y. George Mathew, M.A.
	5. Shri P. N. Oommen Tharakan, M.Sc.

Courses offered

The Department offers M. A. course in Psychology and provides facilities for research leading to M. Litt. and Ph.D. Degrees in the various branches of Psychology — Personality, Clinical Psychology, Educational and Vocational Guidance, etc.

Students

M. A. (Psychology) (1964-'65)	*Men*	*Women*	*Total*
Previous	4	6	10
Final	3	5	8
	7	11	18

Research Students : 8 (Full-time 2; Part-time 6)

All the 7 students presented from the Department for the M. A. degree examination in Psychology of March–April 1964 passed—1 in the first class and all the others in the second class.

Research activities

Research was carried out by the staff and students of the Department on the problems noted below against each :

Name of Staff Member/ Research Student	Degree for which registered	Problem under investigation	Progress made
1. Dr. E. I. George		A programme of research analysing the effect of 10 year and 11 year schooling on the achievement of school children	Analysis of data nearing completion.
		A psychological study of the role of personality and intellectual factors in academic achievement	The scheme of research has been accepted for implementation. Pilot study just commenced.
2. Dr. P. Gopala Pillai		Factional composition of a test of general ability at two age levels	Data being collected.
3. Dr. K. Devadasan		Validity of an association test	Data being collected.
4. Shri P. A. Abraham	Ph.D.	An experimental study of certain personality traits and achievement of secondary school pupils	Pilot study being completed.
5. Shri Joseph E. Thomas	Ph.D.	Validation and standardisation of the Hy and D scale of the M. M. P. I. standardisation of the Hs scale of the M.M.P.I	Experimental work completed.
6. Shri V. Ramachandran Nair	Ph.D.	A socio-psychological analysis of criminals in Kerala	Data collected.

Name of Staff Member / Research Student	Degree for which registered	Problem under investigation	Progress made
7. Shri P. N. Oommen Tharakan	Ph.D.	A prognostic study of engineering aptitude.	Data being processed.
8. Shri V. Ramachandran Nair and Shri P. N. Oommen Tharakan		Practice effect on static ataxia	Data collected.
9. Shri V. George Mathew	Ph. D.	1. A comparative study of the personality trait patterns of professional students	Pilot study in progress.
		2. Study of colour preference and occupational choice	Data collected.
10. Smt. Martha Thomas	Ph. D.	An analytical study of Juvenile Delinquency in Kerala	Preliminary work completed.
11. Shri B. Dharmangadan	Ph. D.	Creativity in School children – an analytical study	Tests of creativity being made.
12. Shri A. G. Oliver	Ph. D.	Relationship between ascendence submission and certain other personality traits	Pilot study being completed.

4. Department of Education

Staff

Professor and Head of the Department	Dr. N. P. Pillai, M.A., Ph. D. (B'ham.)
Readers:	1. Mrs. Elizaba Zachariah, M.A., M.Ed.
	2. Smt. M. A. Thankamma, M.A., M.Ed.
Lecturers:	1. Smt. Pushpita John, M.A., M.Ed.
	2. Shri K. Aiyappan Nair, M.Sc.

Dr. N. P. Pillai has been nominated as a member of the State Advisory Board of Education.

Dr. N. P. Pillai served as a member of the General Inspection Commission appointed by the University of Madras for the inspection of Training Colleges affiliated to that University.

Smt. M. A. Thankamma, Reader, attended the Workshop on Practice Teaching held in the Regional College of Education, Mysore.

Smt. Pushpita John has been deputed by the University for higher studies in London for a period of one year from September, 1964.

Courses offered

The Department provides instruction for M. Ed. course and offers facilities for research leading to Ph. D. in the Faculty of Education.

The strength of the M. Ed. class has been raised from 20 to 30.

Students

	Men	*Women*	*Total*
M. Ed. (1964-'65)	19	11	30

Of the 30 students admitted, 12 have opted for Psychometrics, 8 for Teacher Education and 10 for Educational Administration as their elective group.

Twenty three students appeared for the M. Ed. Degree Examination of March-April 1964, of whom 21 passed—5 in the first class and 16 in the second class.

Nineteen candidates who had passed Part I of the M. Ed. Degree examination held in March-April 1963 or earlier were declared to have passed Part II—Thesis.

Research Students

Of the seven research scholars on the rolls, five were full-time and two part-time, The subjects offered for theses by the research scholars are given below:

	Name of Research Student	*Degree for which registered*	*Subject of thesis*
	Full-time		
.	Dr. Mohan Mathew (Post-Doctoral University Senior Research Fellow)		An investigation into the personal, educational and vocational problems of the high school boys of Trivandrum City
2.	Shri K. J. Joseph (University Junior Research Fellow)	Ph. D.	Teacher education for secondary schools in Kerala
3.	Smt. Vasantha Ramkumar (University Junior Research Fellow)	Ph. D.	Self concept and achievement in school subjects of prospective university entrants
4.	Smt. G. Kamalamma (University Junior Research Fellow)	Ph. D.	History and problems of primary education in Kerala
5.	Shri K. Sivadasan Pillai (U. G. C. Scholar)	Ph. D.	An investigation into the change in the content and scope of the primary and secondary school curriculum during the last 30 years (since 1934) in the Kerala State to ascertain how far these have been helpful to the raising of standards
	Part-time		
6.	Shri S. Rajappan Nair	Ph. D.	The socio-economic status and family pattern of graduate teachers in Trichur District
7.	Shri R. Valsakumar	Ph. D.	A comparative study of the quality of entrants to the teaching profession and the methods employed in teacher selection

Shri K. J. Joseph, Research Student, was included in a three member team from India to visit U. S. A. at the invitation of the American Consulate General on behalf of the American National Students' Association. After a five weeks' tour from 15-10-1964, he rejoined the Department on 28-12-1964

Extra-curricular activities

The staff and students of the Department participated in the Seminar on Education and Democracy and the Seminar on Student Personal Services held in Trivandrum in January-February 1964.

The M. Ed. Students' Association was inaugurated on 19-8-1964 by Shri Alexander Parambithara, the then Speaker of the Kerala Legislative Assembly. The annual study tour was conducted from 1-11-1964 to 15-11-1964.

Research and Publications

1. The Research Fellows of the Examination Research Unit in the Department were engaged in constructing new type tests for the three year B. A. / B. Sc. classes till February, 1964

The syllabus in each subject in the degree classes was itemised and the objectives and behaviour patterns specified. These were printed along with a questionnaire and sent to all the colleges to elicit their reaction to the various items included in or excluded from the syllabus in each subject and the weightage to be given in the teaching of each topic and sub-topic.

The responses received from the colleges were duly itemised under the supervision of Dr. V. M. Kuriakose, Research Officer, who assumed charge on 17-4-1964. On the strength of the replies received from the Lecturers in the subjects concerned, reports were prepared and copies sent to the University for circulation among members of the Boards of Studies to help them in drafting the new syllabi. The construction of test items for B. A. B. Sc. has since been discontinued in view of the possible changes in syllabi and on account of the relief of all the research fellows (on their request) except Shri K. V. Joseph and Shri V. S. Vaidyanatha Iyer. Those who continue are now engaged in constructing tests for the Pre-degree classes

2. The report of the Conference of Training College Teachers on Teacher Education held in the Department in November, 1963 was

printed and published on 17-11-1964 as Bulletin No. 2 of the "Studies in Education" from the Department of Education.

3. The report of the research scheme sponsored by the National Council of Educational Research and Training, viz., "An Investigation into the Organisational and Administrative Factors which affect Achievement of Pupils in Secondary Schools" was submitted to the National Council of Educational Research and Training, Government of India, on 18-11-1964.

4. *Forum of Educational Research and Studies*

Meetings of the Forum of Educational Research and Studies were held every second Saturday. Many problems of Education have been taken up for research under its auspices. The following three bulletins have been published :—

1. Inauguration of the FERSK
2. The Organisational Pattern of Education
3. Statement on "The Concept of Falling Educational Standards"

Two more bulletins, one on the "S. S. L. C. Examination Question Papers of March 1964" and the other on the "Accommodation and Facilities in Primary and Secondary Schools" have been prepared and will be released shortly. The reports have been sent to the Director of Public Instruction and the State Advisory Board of Education for necessary action.

The FERSK at its meeting on 29-8-1964 held a symposium on "The Desirability of Education being a Concurrent Subject". The papers read and the discussion on them will be released as a bulletin.

General

Dr. N. P. Pillai attended the Seminar on Research Approaches to the School and Class room, and the Committee to consider problems in Teaching and Research in Educational Sociology held in Delhi from 18th to 23rd March, 1964. He also participated in the Annual Convocation and in the Symposium on Alumni Association of the Regional College of Education, Mysore, in May 1964 and presented a paper "Alumni Association in Training Colleges".

5. Institute of English

The Institute was shifted to Trivandrum from Kottayam on 13th June, 1964 and is housed temporarily in the Women's Hostel Campus.

Staff

Readers:	1. Shri C. P. K. Tharagan, B.A. (Hons.), L.T. (In charge of the Institute)
	2. Dr. K. P. Karunakara Menon, M.A., Ph.D.
Lecturers:	1. Dr. M. Manuel, M.A., Ph.D.
	2. Shri N. A. Karim, M.A., B.T.

Miss A. E. Stringer, Professor of English, left the services of the Institute in June, 1964 on the expiry of the term of contract of her appointment. Mrs. S. Nagalakshmi, Lecturer in English, also left the Institute in June, 1964 to take up an appointment in the Central Institute of English, Hyderabad.

Courses offered

1. Diploma in English
2. M.A. Course in English Language and Literature—newly started during the year.

The Diploma Course in the Teaching of English has been suspended for one year from July, 1964.

Facilities for research leading to M.Litt. and Ph.D. in English language and literature are also provided in the Institute.

Students

Course (1964-'65)	Men	Women	Total
1. Diploma in English	9	13	22
2. M. A. (Previous) English	9	3	12
	18	16	34

To enable the diploma students to obtain teaching practice, evening classes in English are held from [illegible] p.m. to [illegible] p.m. in the Institute

Distinguished Visitors

Dr. Hall, American Professor, Poet, Novelist and Critic paid a visit to the Institute in August, 1964 and delivered a lecture on "The American Literary Scene".

Mr. and Mrs. L. A. Hill visited the Institute in October, 1964 and Mr. Hill gave a demonstration of "Picture Composition" and followed it up with a lecture on "Contextual Teaching of Language".

6. Department of German

Lecturer : Mr. Manfred Turlach

Smt. Celine Mathew (Lecturer, Intermediate College, Trivandrum) who returned after undergoing a training course for Teachers in German at the Goethe Institute, Munich, was appointed as part-time Lecturer in German in the Department from 1-12-1964.

Courses offered

1. Certificate Course in German
2. Diploma Course in German

Students

	Men	*Women*	*Total*
Certificate Course in German			
1963-'64 batch	18	6	24
1964-'65 batch	30	8	38
Diploma Course in German			
1963-'64 batch	4	1	5
1964-'65 batch	9	4	13

The Lecturer continued to conduct classes in German for the M.Sc. (Engineering) students of the College of Engineering, Trivandrum.

Out of the 14 students presented for the Certificate examination in German held in December, 1964, 12 students passed—5 in the first class, 4 in the second class, and 3 in the third class.

The two students presented for the Diploma examination in German held in October, 1964 passed the examination—one in the first class and the other in the third class.

Library

The Library contains works of major German poets, many works on German culture and history, some German books on Indian culture and history, some German translations of Indian works and

easy reading tests. A few German books on various science subjects have been added so that the students from other departments can have first reading of German literature in their respective subjects under the guidance of the Department. The library has been built up with the object of starting post-diploma courses in German and contains 1,120 volumes. Two hundred valuable books were received as gift from the "Deutsche Forschungs-Gemeinschaft (DFG-ie. German Research Association)" during the year. The DFG supplies the Department with 4 German journals.

Under the auspices of the Department the following public lectures were held during the year :—

	Subject	*Lecturer*
1.	Two Aspects of Thinking in German Philosophy	Dr. Frithjof Rodi, Assistant Professor of Philosophy, University of Tuebingen
2.	The East-West Conflict from the German and Berlin Point of View	Dr. C. C. Schweitzer, Professor of Political Science, Free University of Berlin.
3.	West German Economic Reconstruction, an Expansion	Dr Reimut Jochimson, Professor of Economics, University of Keil.
4.	Agriculture and Social Changes	Dr. Friedrich W. Fuss, South Asia Institute of Heidelberg University, West Germany.

In co-operation with the Max Mueller Bhavan, Madras, the drama "Do you know the Milky Way?" by Karl Wittlinger was staged by a troupe of actors of "Die Bruecke".

7. Department of Mathematics and Statistics

Staff

Professor and Head of the Department	Dr (Miss) A George, M.Sc., Ph.D.
Reader in Statistics	Dr R. Krishna Pillai, M.A., M.S., M.Sc., Ph.D.
Reader in Demography	Dr N. Krishnan Namboodiri, M.A., M.Sc., Ph.D.

Reader in Mathematics:	Dr. B. R. Srinivasan, M.Sc., Ph.D.
Lecturer in Demography:	Shri R. Ramakumar, M.Sc., M.S.
Lecturer in Mathematics:	Shri P. Ramankutty, M.Sc.
Research Officers:	1. Shri P. S. Janardhanan Nayar, M.Sc.
	2. Shri Thomas Tharakan, M.Sc. (On deputation to U.S.A. from 5-8-1964)
	3. Shri K. Kumaran Kutty, M.Sc.

Dr. (Miss) A. George, Professor of Statistics, was invited by the German Academic Exchange Service to visit German Universities and participate in the Conference of the Fifth International Phonetic Science at Munster and the German Statistical Association at Munich. She went to Germany on 30-8-1964 and returned on 30-10-1964. During her absence Dr. R. Krishna Pillai, Reader in Statistics, was in charge of the Department.

Shri K. Kumaran Kutty, Research Officer, who was deputed to undergo a seven months' course on "Probability Theory, Mathematical Staistics and their applications" rejoined on 4-6-1964. The course was organised by the UNESCO in collaboration with the Hungarian Academy of Sciences at Budapest. Shri Kumaran Kutty was one of the two candidates from India selected by the Government of India to undergo this course.

Teaching

The Department provides instruction for M.Sc. courses in Statistics and Demography.

The Department continued to provide instruction in Statistics for the post-graduate students of the University Departments of Economics and Psychology.

A one year evening course in Statistics was conducted in the Department during the year, as in the previous year, under the joint auspices of the Indian Statistical Institute, Calcutta and the University.

Students

M. Sc. (Statistics) (1964—'65)	*Men*	*Women*	*Total*
Previous	9	6	15
Final	4	7	11
	13	13	26

M. Sc (Demography) (1964—'65)			
Previous	-	1	1
Final	2	1	3
	2	2	4

Research Students: 8

Of the 13 students presented from the Department for the M. Sc. Degree examination in Statistics of March-April, 1964, all except one passed—1 in the first class, 7 in the second class and 4 in the third class.

Research activities

For the development of research and post-graduate teaching in Mathematics, a separate section was newly started in the Department in 1963. During the year under report Dr. B. R. Srinivasan and Shri P. Ramankutty were appointed in the Department as Reader and Lecturer in Mathematics respectively.

Shri K. Kumaran Kutty, Research Officer, is doing research on 'Statistical Inference' for Ph. D. degree

. The details of the research work undertaken by the research students for Ph. D. degree are given below -

Name of Research Student	*Problem under Investigation*
Full - time	
1. Shri V. John Kurien	Testing of Homogeneity
2. Smt. V. Sakunthala Bai	Theory of Information
3. Shri J. Sundara Raja	Multivariate Analysis
4. Shri N. M. Lalu	Statistics with specialisation in Demography

Part-time

5.	Shri Y. Sankaran	Pure Mathematics
6.	Shri S. Raman	Medical Statistics
7.	Shri A. S. Pankajakshan	Design of experiments and sample surveys

Smt. V. Sakunthala Bai and Shri John Kurien left the Department on 5-4-1964 and 4-6-1964 respectively on the expiry of the scholarships sanctioned to them.

Other activities

(i) *Educational Statistics Unit*

As in previous years the work relating to the collection, compilation and consolidation of statistics in respect of the colleges and other institutions under the University was carried out by the Department.

(ii) *Demographic Unit*

Research work is being carried out by the staff of this unit.

The field and laboratory assistants working in the Unit have conducted a Socio-Economic Survey of the Tribes in the State on behalf of the Kerala Census Department. The report on this is being finalised for publication.

The Unit has carried out a field study on 'Growth of Families in Trivandrum' and a preliminary report of the study is nearing completion.

(iii) *Examination Research Unit*

In view of the fundamental importance of the subject, it was felt that research on Examination should be organised on a broad basis. The Professor of Statistics and the Professor of Education were requested to prepare jointly a scheme for a five year project. The scheme submitted by them was accepted by the University and an "Examination Research Unit" with 1 Research Officer and 3 Analysts was formed in the Department. The Unit is under the supervision and guidance of the Professor of Statistics.

The Unit conducted a detailed statistical study on the assessment fof the standard of valuation of examiners and the standard of perormance of colleges in the Pre-University examination of April 1960. The report has been finalised.

The preliminary report on the statistical analysis of achievement tests to standardise objective test items has been completed.

(iv) A scheme for the evaluation of the Family Planning Communication Research Programme was started in the Department during the period under report and it is in progress.

9. DEPARTMENT OF CHEMISTRY

(A) Organic, Inorganic and Physical Chemistry Division

Staff

Reader and Head of the Department	Dr. R. Anantaraman, Ph. D. (Lond.) A. R. I. C. (Lond.)
Reader in Inorganic Chemistry	Dr. P. T. Joseph, M. Sc., Ph. D. (Wayne State)
Lecturers:	1. Shri John Abraham, M. Sc.
	2. Shri P. K. Oommen, M. Sc.
	3. Dr. C. P. Joshua, M. Sc., Ph. D.
	4. Dr. G. M. Devasia, M. Sc., Ph. D.
	5. Dr. C. G. Ramachandran Nair, M. Sc., Ph. D., I.I. Sc.
	6. Dr. D. J. Francis, M. Sc., Ph. D.
Research Officer:	Smt. P. Saradamma, M. Sc.

During the year Shri John Abraham and Shri P. K. Oommen joined the Mc. Master University, Canada, for the Ph. D. degree. Dr. C. P. Joshua was granted leave for joining the University of Adelaide on a C. I. B. A. scholarship.

Courses offered

The Department provides instruction for M. Sc. course in Analytical Chemistry and offers facilities for research leading to Ph. D. degree in Chemistry in the three fundamental branches - Organic, Inorganic and Physical Chemistry.

Students

M. Sc. (Analytical Chemistry) (1964-'65)	*Men*	*Women*	*Total*
Previous	8	2	10
Final	7	1	8
	15	3	18

Research Students - 4

•6•

Of the six students presented for the M.Sc. Degree Examination in Analytical Chemistry of March, 1964, 1 secured a first class and the rest second class.

Research activities

Research was carried out by the staff and students of the Department on the problems noted below against each :

Name of Staff Member / Research Student	*Degree for which registered*	*Problem under investigation*
(i) Organic Chemistry		
1. Dr. G. M. Devasia (Lecturer)		Synthesis of amino-acids
2. Smt. P. Saradamma (Research Officer)	Ph.D.	1. Constitution of alkaloids from Cyclea burmanni 2. Triterpenes from Rhabdia lycioides
3. Shri N. Ramiah (Senior Research Fellow)	Ph.D.	Triterpenes from Barringtonia racemosa
(ii) Inorganic Chemistry		
4. Dr. P. T. Joseph (Reader)		1. Complex compounds of the second transition series of elements 2. Separation of Hafnium from Zirconium present in Zirconium bearing materials
5. Dr. C. G. Ramachandran Nair (Lecturer)		1. Chemical behaviour of sulphur and phosphorous compounds 2. Inorganic circular paper-chromatography
6. Shri P. Madhava Kaimal (Government of India Research Scholar)	Ph.D.	Use of Cerium (iv) as an oxidising agent for organic compounds

Name of Staff Member/ Research Student	*Degree for which registered*	*Problem under investigation*
(iii) Physical Chemistry		
7. Dr. R. Anantharaman (Reader)		Determination of formation constants of complex formation between $HgCl_2$ and Cl in aqueous organic solvents
8. Dr. D. J. Francis (Lecturer)		Kinetics and mechanism of the reaction of phenols with formaldehyde
9. Kumari K. Saramma (University Senior Research Fellow)	Ph.D.	Electrophilic catalysis in solvolytic reactions (Thesis submitted in July, 1964)
10. Shri M. Rajasekharan Nair (Government of India Research Scholar)	Ph.D.	Electrophilic catalysis in solvolytic reactions – Solvolysis of P-alkyl phenyl ethyl chlorides under study

Research schemes

The University Grants Commission has sanctioned financial assistance for the following research schemes

Scheme	*Investigator-in-charge*
1. Synthesis of amino-acids and their derivatives through 2, H-disubstituted 2-imidazolin-5-ones	Dr. G. M. Devasia
2. Hyper conjugation and the Baker-Nathan Effect	Dr. R. Anantaraman

(B) Division of Biochemistry

Staff

Reader:	Dr. P. Achutha Kurup, M.Sc., Ph.D.
Instructor:	Shri J. Mohan Das, M.Sc.
Research Assistant	Shri R. Kaleysa Raj, M.Sc.

The Division has facilities for research leading to Ph.D. Degree in Biochemistry.

Research activities

Research students: 3

A brief account of the research activities of the staff and students is given below:-

Name of Staff Member/ Research Student	Degree for which registered	Problem under investigation	Progress made
1. Dr. P. Achutha Kurup (Reader)		1. Phospholipase A of the venom of Heterometrus Scaber	The phospholipase A present in the venom has been purified and detailed investigations on the enzyme are in progress.
		2. Biochemical investigations on Heterometrus Scaber	Glucose and trehalose have been shown to be carbohydrate components of the haemolymph of Heterometrus scaber, while no trehalase activity could be detected.
2. Shri J. Mohan Das (Instructor)		Antibiotic from the leaves of Withania Somnifera	The antibiotic was further purified and the mechanism of its antibacterial action is being investigated. The antibacterial activity is inhibited by-SH compounds like cysteine and glutathione. Glucose-6-phosphate dehydrogenase is inhibited by the antibiotic.
3. Shri R. Kaleysa Raj (Research Assistant)	Ph. D.	Anthelmintic principle of Butea Frondosa Seeds	Two anthelmintic substances, one highly active, have been isolated from the seeds. The chemical nature, anthelmintic activity, pharmacological action and mechanism of anthelmintic action are being studied. The more active substance is an organic acid and shows pronounced anthelmintic activity against round worms.

Name of Staff Member/ Research Student	Degree for which registered	Problem under investigation	Progress made
Research Students *Full-time*			
4. Shri G. Radhakrishnan Potti (Government of India Research Scholar)	Ph. D.	Antibiotics	An active phenolic fraction, which inhibits the growth of many Grampositive organisms, has been isolated from the root bark of Calophyllum-inophyllum Purification and study of this substance are in progress.
Part-time			
5. Shri P. K. Oommen	Ph. D.	Venom of Heterometrus Scaber	The toxic principle in the venom has been purified and found to be a protein. Detailed investigations on this toxic protein are in progress.
6. Shri N. Chittaranjan Nair	Ph. D.	Biochemical investigations on tapioca tuber	An inhibitor of phosphorylase activity has been found to be present in the rind of the tuber. The isolation of this substance in a pure state and its inhibitory action are being studied.

Research Scheme

Dr P Achutha Kurup is in charge of the research scheme " Enquiry on the anthelmintic principle of the seeds of Butea Frondosa". The scheme is financed by the Indian Council of Medical Research, New Delhi.

9. Department of Geology

Staff

Reader and Head of the Department	Shri K. Kunjunni Menon, M.S. (Yale)
Lecturers :	1. Shri P. K. Rajendran Nair, M.Sc., A. I. S. M.
	2. Shri Raju Philip, M. Sc.
Research Officer :	Shri K. V. Krishnan Nair, M Sc.

The two Lecturers were appointed in August, 1964.

Teaching

The Department provides instruction for M. Sc. Geology.

Students

M. Sc. (Geology) 1964-'65	*Men*	*Women*	*Total*
Previous	6	-	6
Final	5	-	5
	11	-	11

The first batch of M. Sc. Previous students (1963-'64 batch) were given two months intensive training in topographic survey in April and May 1964 at the College of Engineering, Trivandrum. Shortly following this they were given training in geological mapping work for a period of three weeks. For this, an area of about 50 square miles near Trivandrum located between Kovalam and Poovar was selected. The students were grouped into two, and each group was allotted one half of the area. The training was conducted under the supervision of Shri P. K. Rajendran Nair, Lecturer in Geology. The laboratory work and the preparation of the report are in progress.

All the students were taken on a study tour to places of geological interest in South India such as Ariyallur, Neyveli, Rayalcheruvu and Kolar in December, 1964. A good collection of interesting specimens for the museum was made.

Research

Two of the staff members have taken up problems for research and covered preliminary part of the work.

10. Department of Botany

Staff

Professor and Head of the Department	Dr. A. Abraham, M. A., M. Sc , Ph. D. F. A. Sc., F. B. S.
Reader :	Dr. C. A. Ninan, M. Sc., Ph. D., F. B. S.
Lecturers :	1. Shri P. M. Mathew, M. Sc.
	2. Dr. (Mrs.) Susan Abraham, M. Sc., Ph. D.

Research Officers : 1. Shri K. Ramachandran, M. Sc.
2 Shri J. Christopher, M Sc.
(relieved on 9-11-1964)
3. Shri P. Gopinathan Nair, M Sc (Agri)
Farm Superintendent . Shri P. K. Sadanandа Panicker, M. Sc
(Joined on 1-4-1964).

Dr. (Mrs.) Susan Abraham proceeded to the United States on 2nd August, 1964 for a period of one year to undertake post-doctoral research work on radiation genetics She has been awarded a Fellowship for one year by the American Association of University Women. She will spend most of her stay in the United States in the Brookhaven National Laboratory and also visit centres of advanced research in Genetics in U S. A.

Research Schemes

1. The scheme on artificial culturing of coconut embryos wholly financed by the Indian Central Coconut Committee, continued to function in the year. Interesting results on the development of the endosperm in coconut were obtained

2. The scheme of research on the genetical effects of natural radiation from the monazite sands of Kerala financed wholly by the United States P L. 480 funds is also progressing Shri J Christopher, M. Sc, Research Officer in the scheme, was relieved on 9-11-1964 to take up appointment as Lecturer in Botany in the University Centre at Calicut.

3. Prof. A. Abraham continued to be the Special Supervising Officer for the combined scheme of research on Tapioca and other Tuber Crops jointly financed by the I C A R. and the State Government.

Research Students

During the period under report, two U. G C. Research Fellows, two University Research Fellows, one U G C Research Scholar and four Government of India Research Scholars were working in the department for the Ph. D Degree In addition, four others were also doing part time work for the Ph D.

The main lines of research continued to be cytology, genetics and plant breeding and notable progress has been made in these lines

The nature and progress of work done by the staff and students during the year are given below.

Name of Staff Member/ Research Student	*Degree for which registered*	*Problem under Investigation*	*Progress made*
1. Dr. C. A. Ninan		1. Cyto-taxonomy and phylogeny of ferns 2. Cyto-genetic investigations on coconut	Cytology of endosperm in a few varieties of dwarf coconuts was studied. Chromosome number in one species of *Lycopodium* was determined.
2. Shri P. M. Mathew	Ph. D.	1. Study of apogamy in ferns 2. Cyto-genetic investigations on Gymnosperms	Cytology of 5 species of apogamous ferns was studied. Studies on gametophytes of the above species are in progress. Karyotype studies on one species each of *Encephelartos* and *Cycas* were made.
3. Dr. (Mrs.) Susan Abraham		1. Studies on spontaneous and induced mutations 2. Anatomical and embryological studies on *Haplothesmia*	Completed the studies on the embryology of *Haplothismia.* (At present doing advanced research in radiation genetics in the Brookhaven National Laboratory, U. S. A.)

Name of Staff Member / Research Student	Degree for which registered	Problem under investigation	Progress made
4 Prof. R. Solomon (Uty. Senior Research Fellow)		Wood anatomy of soft woods of Kerala	Detailed investigations of the wood anatomy of *Ailanthus malabarica*, *Bombax malabaricum*, *Alstonia scholaris*, *Mangifera indica*, *Evodia roxburghiana* and *Lophopetalum wightiana* were undertaken. Results have been prepared for publication.
[illegible] Shri P. I. Kuttichan (U. G. C. Research Fellow)	Ph. D	Cytogenetic studies on South Indian ferns	Cytology of six species of ferns was studied. Morphology of the sporophytes and gametophytes in four species of Davalliaceae and three species of Pteridaceae were studied. Two inter-specific hybrids in the genus *Nephrolepis* have been obtained
6 Shri K. V. Bhavanandan (Govt. of India Research Scholar)	Ph. D	Cytogenetic studies on South Indian ferns (Aspidiaceae)	Cytological observations were made on twelve species of Aspidiaceous ferns. Morphology of the sporophytes and gametophytes of eight species were also studied.

Name of Staff Member / Research Student	*Degree for which registered*	*Problem under investigation*	*Progress made*
7. Smt. Philomena Madhavadian (Govt. of India Research Scholar)	Ph. D.	Cytogenetical studies on Solanaceae	Studied the cytology of 23 species of Solanaceæ. Approach grafting of plants of three different genera of Solanaceae was done. Intergeneric and interspecific hybridization in *Solanum*, *Lycopersicum* and *Capsicum* are in progress. So far, seven hybrids of *Solanum* and *Lycopersicum* species were obtained. The cytology and morphology of four of the hybrids were also studied.
8. Shri P. N. Chandrasekharan Nair (Govt. of India Research Scholar)	Ph. D.	Cytogenetics of Pulses	Studied the cytology of twenty species of the group Phaseolae. Interspecific and intervarietal crosses were made between different species of inbred *Vigna*.
9. Shri J. Stephen (Govt. of India Research Scholar)	Ph. D.	Cytology of endosperm in Angiosperms	Carried out cytological investigations of the endosperm in *Borassus flabellifer*, *Oryza sativa*, four species of *Chlorophytum* and *Pinanga* species.
10. Shri P. K. Abubaker (U. G. C. Research Scholar)	Ph. D.	Cytogenetic investigations	Joined on 5-10-1964. Techniques being studied.

Name of Staff Member/ Research Student	Degree for which registered	Problem under Investigation	Progress made
11. Shri M. V. Benny (Uty. Junior Research Fellow)	Ph D.	Cytogenetic investigations	Joined on 3-10-1964. Techniques being studied.
12. Shri K. Ramachandran (Research Officer)	Ph. D.	(1) Studies of Tuber Crops and related plants	(1) Thesis will be submitted soon.
		(2) Studies on the effect on plants of natural radiations from the monazite sands	(2) Monazite has been shown to be a mutagenic agent with a strong somatic effect. Cytological and genetical studies on test materials are in progress.
13. Shri J. Christopher (Research Officer)	Ph D.	Cyto-taxonomy of South Indian grasses	Thesis will be submitted soon.
14. Smt. P. Vatsala	Ph D.	Cytogenetics of Orchids	Thesis entitled "Studies on the cytology and evolution of Orchidaceae with special reference to orchids of South India" has been submitted.
15. Shri P. Gopinathan Nair (Research Assistant)	Ph.D.	Studies on coconut	Studies on cytology and development of endosperm in different varieties of coconuts and *in vitro* growth studies on hybrid embryos are in progress.

11. Department of Pharmacognosy

Staff

Reader :	Shri K. Narayana Aiyer, M.A.
Research Officer :	Smt. M. Kolammal, M.Sc.

Smt. A. Jagadamma, M. Sc. was appointed as Assistant to the Pharmacognosy Officer in March 1964.

The Pharmacognosy scheme is primarily concerned with the publication in series of pharmacognostic accounts of Ayurvedic drugs of vegetable origin, especially with reference to Kerala. The publication facilitates the correlation of Ayurvedic drugs to their botanical sources or their substitutes. It deals with the scientific study of the plants and their parts used in medicine with suitable illustrations in black and white and natural colour. So far, seven numbers of the series have been published which contain the Ayurvedic notes of 68 Ayurvedic drugs and pharmacognostic accounts pertaining to 127 source plants.

The printing of the 8th number of the Pharmacognosy series has been completed and it has been released. It gives data pertaining to ten drugs, viz., Agati, Aparajita, Brahmi, Aswagandha, Vellantaran, Aragvadhah, Vridhadaraka, Chakramardha, Kasamardha and Sati, involving the descriptions of 15 source plants with the anatomy of their officinal parts. This volume contains 3 illustrations in natural colour and 22 in black and white.

12. Department of Tamil

Staff

Reader and Head of the Department	Dr. V. I. Subramoniam, M. A., Ph. D. (Indiana, U. S. A.)
Lecturers:	1. Dr. S. V. Subramanian, M. A., Ph. D. 2. Shri K. Subramony, M. A.
Research Assistant :	Shri M. Elayaperumal, M. A., M. Litt.
Junior Research Assistant	Smt. S. R. Krishnambal, B. A.

Courses Provided

The Department provides instruction for M. A. Tamil and offers facilities for research leading to M. Litt. and Ph. D. Degrees in Tamil in the Faculty of Oriental Studies.

Students

M. A. (Tamil) (1964–'65	*Men*	*Women*	*Total*
Previous	3	1	4
Final	–	2	2
	3	3	6

Research Students 10 (8 for Ph D and 2 for M. Litt)

Six candidates were presented from the Department for the M A Degree examination in Tamil of March-April 1964 All of them passed – 5 in the first class and one in the second class.

Research activities

The Department has undertaken the task of working out the grammar and preparing an index and translation of the Sangam classics. The work on four classics has been completed For the remaining five classics work is in various stages of completion

(i) *By the Staff*

Dr. V. I. Subramoniam, besides preparing for the press his grammar of PuranaanuuRu, is working out the grammar of spoken Tamil for the Government of India

Dr. S. V. Subramanian is working out the Syntax of KuRuntokai and has collected the figures of speech from Alankaara Sastras in Tamil

Shri K. Subramony continues to collect the historical information found in the Sangam Literature.

Shri M. Elayaperumal continues his work on AinkuRunuuRu

Smt. S R Krishnambal has been revising her index of KuRuntokai

(ii) *By the Students*

Research was carried out by the research students of the Department on the problems noted against each

Name of Research Student	Degree for which registered	Problem under investigation
1. Shri T. Velavan	Ph.D.	Grammar of Kambaramayanam
2. Shri A. Dhamotharan	Ph D.	Grammar of Thirukkural
3. Shri Veerasami Venkatasalam	Ph.D.	Grammar of Periapuranam
4. Shri R. Paneer-selvam	Ph.D.	The Tamil Inscriptions of the 7th, 8th and 9th Centuries. (Has collected and indexed about 300 inscriptions)
5. Shri A. Govindan Kutty	Ph.D.	Syntax of Kambaramayanam
6. Smt. L. Gloria Sundaramathy	Ph D	Evaluation and Evolution of Sangam Literature
7. Shri N Rajagopal	Ph D.	The Language of Apper Devaram
8. Shri P. R. Subra-moniam	Ph.D.	Folklore of South India
9. Shri M. E. Manicka-vasagam Pillai	M.Litt.	Social, Political and Economic life of the Chera country as gleamed out of the Tamil Literature of the Sangam Age (submitted thesis)
10. Shri S. Gnanamuthu	M.Litt.	Place names of Trivandrum District (about to submit thesis)

Two Ph.D. theses – 'Grammatical Study of Pattuppaattu' by Rm. Sundaram and 'Grammatical Study of NaRRinai' by Shri A. Kamatchi – have been submitted for evaluation.

Shri M. E. Manickavasagam Pillai has collected cultural complexes from one village each in the erstwhile Travancore, Cochin and Malabar areas.

Shri S. Gnanamuthu visited all villages in the Trivandrum District and collected the place names and myths of the villages

The above two projects were financed by the University.

13 Department of Linguistics

Staff

Reader and Head of the Department	Dr. V. I. Subramaniam, M. A., Ph D (Indiana, U.S.A.)
Lecturers:	1. Shri V. R. Prabodhachandran Nair, M. A.
	2. Shri G. Kesava Panikkar, M. A
Research Assistant:	Shri A. Kamatchi, M. A

The Department has as its scheme of work the description of early Malayalam Texts and Inscriptions and the dialects spread throughout Kerala including the Laccadives. A part-time post-graduate certificate course in Linguistics is also conducted by the Department.

For studying the variation in pronunciation and augmenting the library, a block grant of Rs. 52,000/- was received from the University Grants Commission for purchasing a spectrograph, tape recorders and books. Steps were taken to procure the instruments and books.

Students

	Men	*Women*	*Total*
Post-graduate Certificate Course in Linguistics (1964-'65)	7	1	8

Research activities

(i) *By the Staff*

Dr. V. I. Subramoniam	Working on Unnunili Sandesam
Shri V. R. Prabodachandran Nair	Working out the transformations of Krishna Gaatha
Shri G. Kesava Panikkar	He made a pilot survey of the Ernad dialect of Malabar and the Laccadive Islands and is grouping the dialects according to their peculiarities. He is also working for Ph.D. on the subject
Shri A. Kamatchi	Collecting the preliminary details about the people of the Laccadive Islands before commencing the field work on the dialects of the Islanders

(ii) By the part-time Research students registered for Ph. D.

	Name	*Subject*
1.	Shri P. Ramachandran Pillai	Descriptive Gramm Kannassaramayanam
2.	Shri C. J. Roy	Descriptive Gramma Inscriptions of Kerala 14th to 16th Century
3.	Shri N. Gopinatha Pillai	Descriptive Grammar Ezhuthachan's Adhy Ramayanam

14. Department of Malayalam

Staff

Professor and Head of the Department	Dr. P. K. Narayana Pillai
Lecturer:	Shri C. J. Chacko

The Department was formally inaugurated by the Vice-C on 4th March, 1964.

Courses offered

The Department provides facilities for research leading t and Ph. D. Degrees in Malayalam in the Faculty of Oriental S

Library

The Departmental Library has a collection of 5,400 bc it subscribes for 40 periodicals and papers.

Research Students

Nine Research Fellows, including four registered this working in the Department under the guidance of the I Of these 9 Research Fellows, 5 are full-time and 4 part-time.

Research Schemes

The following are the main research schemes undertak Department:—

1. A Historical Grammar of Malayalam
2. A History of Malayalam Language
3. Critical edition of ancient texts
4. Foreign influence on Malayalam Literature
5. Study and publication of Southern Ballads and Ballads. (For researches on Southern Ballads the

Research activities

(i) *By the Staff*

1. Dr. P. K. Narayana Pillai:

   (a) A critical edition of the Chintaratnam has been completed. Historical introduction to the work is under preparation

   (b) Prepared a critical edition of Mayurasandesam with a commentary and a historical introduction. The edition is named Keralahrdayam as it is attempted to interpret Kerala Varma's mind and art both in the introduction and the commentary.

   (c) Brought out a second edition of the critical edition of the Harinamakirtanam by Ezhutachan. Passages from the book cited by Dr. Gundert and a palm-leaf manuscript belonging to the Palace collection were also used for the critical apparatus of this edition, in addition to the 17 manuscripts and vulgate editions used previously.

   (d) Completed the study of about 100 Tatsama proper nouns in Malayalam.

   (e) Prepared a paper on the influence of Sanskrit on Malayalam

2. Shri C. J. Chacko:

   (a) Collected and transliterated fifty old Malayalam Inscriptions and studied them with a view to preparing a comprehensive grammar of the inscriptional language. (An award of Rs 500/- as financial assistance has been sanctioned by U G C for the publication of "Malayalam Inscriptions"

   (b) Prepared a paper on the 'Contributions of Rev George Mathan to Malayalam'.

   (c) Prepared a paper on 'Ezhuthachan - his place in Malayalam Language and Literature' and presented it in a symposium on Ezhuthachan held at Thunchanparampu, presented a paper on 'Malayalakavita' in a symposium held under the auspices of C. J. Thomas Memorial Lectures Committee at Koothattukulam.

Name of Research Student	Degree for which registered	Problem under investigation	Progress made
Part-time			
6. Shri Sukumar Azhikode	Ph.D.	Foreign Influence on Literary Criticism in Malayalam	Traced the history of romantic movement in Malayalam poetry
7. Shri T. Bhaskaran	Ph D.	Sanskritic Influence on Malayalam Literature or Philosophical Background of Ezhuthachan	Background reading in progress.
8. Smt. J. Padmakumari	M.Litt.	Southern Ballads in Malayalam	Studied Ponnirathal Katha and Matilakam Pattu and collected a few minor Southern Ballads.
9. Smt. K. Indira Devi	M.Litt.	Poontanam and his works-A Study	Background reading in progress.

(ii) *By the Staff*

(1) Dr. A. G. Krishna Warrier :

(a) He has been working on the Malayalam translation of "Sankara's Brahmasutrabhasya" with a critical introduction and exegetical notes. The first volume has been completed and is under print in the University Press. The second volume is under preparation.

(b) Contributed a research paper on "Muktasya Karma - the action of the liberated" to the Philosophy and Religious section of the 22nd Session of the All India Oriental Conference.

(2) Shri S. Venkitasubramonia Iyer :

(a) He has been registered as a research scholar for the Ph D Degree and was working on "The Prakriya Sarvasvam a Critical Study". He has made a preliminary survey of the entire work and is at present engaged in listing deviations in interpretations of the Sutras characterising the work. He has completed a detailed comparative and critical study of the first three sections.

(b) He is engaged in a preliminary study of the *Dhatukavya* of Narayanabhatta with a view to bringing out a critical edition of this notable work with commentaries. The collection of 3 original manuscripts of the text and the commentary *Krsnarpana* has been completed and the variants with reference to the *editio princeps* noted.

(c) He has also started preparing a Bibliography of Kerala Sanskrit Literature

15. Department of Sanskrit

Staff

Reader and Head of the Department	Dr. A. G. Krishna Warrier M.A., Ph. D.
Lecturer:	Shri S. Venkitasubramonia Iyer, M.A.

Courses offered

The Department offers facilities for research leading to M.Litt. and Ph.D. Degrees in Sanskrit in the Faculty of Oriental Studies.

Research Students: 6 (Full-time 3; Part-time 3)

Activities

Besides translating Sanskrit classics into Malayalam, with critical introduction and notes, the Department also envisages the preparation of monographs and major works in Malayalam, English and Sanskrit on the following themes:—

Monographs

(a) Vedas — one on each of the four Vedas

(b) (i) The major Upanisads — one on each of the Upanisads
(ii) The Sectarian Upanisads - one
(iii) The Sannyasa Upanisads - one

(c) Darsanas - A monograph each

Major works

(i) The Development of literary criticism in Sanskrit
(ii) The concept of God in Indian Religious Thought
(iii) The Indian Theory of Values

A Third branch of work the Department proposes to initiat and develop is related to the critical edition of Sanskrit works pro duced in Kerala, such works, for example, as the *Nititattvavirbhav* of Cidananda and *Raghaviya* of Ramapanivada.

Research activities of the staff and students of the Departmen during the year are detailed below:

(i) *By the Staff*

(1) Dr. A. G. Krishna Warrier :

(a) He has been working on the Malayalam translation of "Sankara's Brahmasutrabhasya" with a critical introduction and exegetical notes. The first volume has been completed and is under print in the University Press. The second volume is under preparation.

(b) Contributed a research paper on "Muktasya Karma - the action of the liberated" to the Philosophy and Religious section of the 22nd Session of the All India Oriental Conference.

(2) Shri S. Venkitasubramonia Iyer : (a) He has been registered as a research scholar for the Ph D Degree and was working on "The Prakriya Sarvasvam a Critical Study". He has made a preliminary survey of the entire work and is at present engaged in listing deviations in interpretations of the Sutras characterising the work. He has completed a detailed comparative and critical study of the first three sections.

(b) He is engaged in a preliminary study of the *Dhatukavya* of Narayanabhatta with a view to bringing out a critical edition of this notable work with commentaries. The collection of 3 original manuscripts of the text and the commentary *Krishnarpana* has been completed and the variants with reference to the *editio princeps* noted.

(c) He has also started preparing a Bibliography of Kerala Sanskrit Literature.

	Degree for which registered	Problem under investigation	Progress made
Full-time			
1. Smt. K. Sarasa	Ph. D.	Rasa in Sanskrit Drama	After her preliminary study of the relevant chapters of Bharata's Natyasastra, she has prepared a paper on the Vibhavas as a category in the Rasa sutra.
2. Smt. K. Viswesari Amma	Ph. D.	The Philosophy of Udayana	Completed the study of the Atmatattvaviveka and the Kusumanjali and has prepared an elaborate study of the "Categories in Nyaya".
3. Smt. C. Padmavathy Amma	M.Litt.	The Concept of Mukti in the Nyayavaisesika System	Has begun the study of the Nyayasutra, Bhashya and the varttikam for getting the earliest view on the subject.
Part-time			
4. Shri R. Karunakaran	Ph.D.	The Concept of Sat in the Schools of Vedanta	
5. Shri Harihara Raghavan	Ph.D.	Ramapanivada and his works in Sanskrit	
6. Shri M. N. Narayanan	Ph.D.	Nagoji Bhatta, the Grammarian—A Critical Study	

16. Department of Library Science

Staff

Reader and Head of the Department	Shri K. A. Issac, B.Sc., M.Lib.Sc.
Lecturers:	1. Shri M. N. Ramakrishnan Nayar, M.A., M.Lib.Sc.
	2. Shri A. B. George, M.A., Dip. Lib. Sc. (on deputation from 12-7-1964)

Shri A. B. George was deputed for undergoing the Master's Degree course in Library Science in the Delhi University. His work has been assigned to Shri C. A. Augustine, B.Com., M.Lib.Sc., and Shri V. S. Sukumaran Nair, M.A., B.Lib.Sc., Assistant Librarians in the University Library, on a part-time basis from 28-7-1964.

Students

	Men	*Women*	*Total*
B.Lib.Sc. (1964-'65)	12	13	25

All the 25 students of the academic year 1963-'64 presented from the Department for the B.Lib.Sc. Degree examination of April, 1964, passed — 3 in the first class, 12 in the second class and 10 in the third class.

II ERNAKULAM CENTRE

1. Department of Marine Biology and Oceanography

The Department of Marine Biology and Oceanography has four laboratories - (i) The Oceanographic Laboratory, Ernakulam (Head Office), (ii) The Marine Biological Laboratory and Aquarium, Trivandrum, (iii) The Fishery Technology Laboratory, Trivandrum, and (iv) The Estuarine Research Laboratory Ayiramthengu.

Staff

Oceanographic Laboratory

Reader and Head of the Department of Maraine Biology & Oceanography } Dr. C. V. Kurian

Reader in Oceanography: Dr. N. Balakrishnan Nair

Lecturers:
1. Shri N. M. Shah
2. Dr. C. T. Samuel
3. Shri K. P. Balakrishnan
4. Dr. P. Dinamani
5. Shri A.N.P. Ummerkutty

Marine Biology Laboratory & Aquarium

Research Officer: Dr. N. Krishna Pillai

Curator: Shri K G. Padmanabhan (took charge on 25-9-'64)

Research Officer: Dr. P. A. John (Joined duty on 21st October, 1964)

Fishery Technology Laboratory

Research Officer: Dr. K. Sadasivan Pillai

Chemical Assistant: Shri K. Ayyappan Nair

Estuarine Research Laboratory

Research Officer: Shri G. Sivankutty Nair

Hydrologist: Smt. C. S. Shynamma

Dr. V. R. Meenakshy, Animal Physiologist, joined the Oceanographic Laboratory on 10th April 1964 as C. S. I. R. Pool Officer.

Students

M. Sc. Marine Biology (1964-'65)	*Men*	*Women*	*Total*
Previous	7	3	10
Final	7	2	9
	14	5	19

Research Students: 14

All the 5 students presented from the Department for the M Sc. (Marine Biology) Final Examination of April, 1964 passed—4 in the first class and 1 in the second class.

General activities

The Bulletin of the Central Research Institute-Series C, was renamed as the "Bulletin of the Department of Marine Biology and Oceanography" and the first number was released on 6th November, 1964.

(i) Oceanographic Laboratory

The laboratory continued to provide accommodation and facilities for the Biological Centre of the International Indian Ocean Expedition and the Wood Preservation Branch of the Forest Research Institute.

Research facilities were given to Dr. E. V. Zhukov, Scientist from the U. S. S. R., to Messrs Marshal and Jilbert from the U. K. Atomic Energy Commission and to Dr H. M Iyer of the Atomic Energy Establishment, Bombay.

As part of the programme "A week of educational activities at Ernakulam", organised by the U. S. I. S., Madras, group discussions and film shows were held from 28th January to 1st February, 1964

Many scientists from abroad visited the Laboratory during the year. In March, the following scientists, who participated in the I I O E. Zooplankton Consultative Committee meeting, visited the Laboratory –

Mr. R. S. Glower	Dr. M. L. Vinogradov
Dr. S. Motoda	Dr. J A. McGowan
Dr. A. Y. Evstafiev	Dr. T. R. Parsons
Dr. R. Sevene	Prof J Krey
Dr. I. E. Wallen	

Lectures on various aspects of Planktonology were delivered by Prof. S. Motoda, Mr. R S. Glower, Dr. J A McGowan and Dr M. L. Vinogradov.

Dr. A C. Broad and Dr C J George (Karnatak University) addressed the members of the staff and students of the Oceanographic Laboratory during their visits.

On behalf of the C. S. I. R. and Kerala University, the Oceanographic Laboratory extended hospitality to the scientists who called at the Cochin Port in April and May, 1964 on the Research Vessels 'Te-Vaga' and 'Anton Brunn' from U. S. A. and R. S. S. Discovery III from U. K, taking part in the International Indian Ocean Expedition. A seminar was arranged in Oceanographic Laboratory on 7-4-1964, when Dr. Dixie Lee Ray, Chief Scientist on board the vessel 'Te-Vaga' and other U. S. Scientists spoke on the research problems investigated by them during the cruise.

Shri K. P. Balakrishnan participated in the I. I O. E. Cruise of I. N. S. Kistna from 12-7-1964 to 22-7-1964.

In September 1964, Dr. C. V. Kurian attended the Seminar on 'Marine Products Exports' organised by the Indian Institute of Foreign Trade.

Dr. C. V. Kurian and Dr. N. Balakrishnan Nair participated in the symposium on 'Prawn Fisheries in India' sponsored by the Society of Fisheries Technologists (India) in October, 1964.

A programme of work was initiated for the study of primary production off Cochin, using radio active isotopes in collaboration with Shri A. H. V. Sarma, a C. S I. R. Senior Research Fellow, stationed at the Indian Ocean Biological Centre, and Dr. Vagn Hansen, Curator, I. I. O. E. Biological Centre.

Cruises of R. V. Conch

The research vessel carried out 30 inshore cruises in the Cochin area for the collection of bottom fauna and bottom deposits, hydrographical data and plankton samples and for training M. Sc. students in instrumentation. The two off-shore cruises to Alleppey region and off Cochin were mainly for the collection of plankton samples and hydrographical data for the International Indian Ocean Expedition and investigation of the mud banks. Further cruises were not possible as the vessel had to be dry-docked for urgent repairs.

(ii) Marine Biological Laboratory and Aquarium

Shri K. G. Padmanabhan, Curator, and Shri M. A. Joseph, Superintendent of the Aquarium, were deputed to study the working of the Taraporewalla Aquarium at Bombay and the Central Marine Fisheries Aquarium at Mandapam during February, 1964.

A large hall capable of accommodating nearly 100 tanks is under construction. The construction of quarters for the Curator is nearing completion.

A new wing for exhibition of locally available exotic fishes has been opened by the Vice-Chancellor on 6th November, 1954. The renovation of the main aquarium having been completed, collection of gate fee was resumed from 7th November, 1954.

Extensive plankton collections made on board research vessel "Varuna" from all over the Arabian Sea have been placed at the disposal of Dr. N. Krishna Pillai, by the Director, Central Marine Fisheries Research Institute, for studying the group Mysidacea.

(iii) Fishery Technology Laboratory

The main items now under investigation are —

(1) The chemistry and technology of marine oils and fats,

(2) Preservation of fresh fish by antibiotics and hypochlorite ice; and

(3) Production of odourless fish flour. The chemistry and utilization of the more important sea weeds of Kerala coast are also being studied.

(iv) Estuarine Research Laboratory

Studies on the migration and growth of *Penaeus indicus* and *Mugil troscheli*, investigation on the bottom fauna of the Kayamkulam lake, chemical analysis of the brackish water and fresh water mollusca are the main problems under investigation in the Laboratory.

...mber/ ...search Student	Degree for which registered	Problem(s) under investigation	Progress made
Staff			
1. Dr. C. V. Kurian		Studies on the Bottom Fauna and Bottom Deposits of the Kerala Coast Deep water Prawns and Lobsters	The bottom deposits collected from the continental shelf are being analysed. Two papers on deep water prawns and lobsters were published. A paper on Cumacea has been submitted for the symposium on "Crustacea".
2. Dr. N. Balakrishnan Nair		Studies on the ecology of marine fouling and wood-boring organisms of the Indian Coasts	Detailed observations on the settlement of marine foulers and wood borers were made at 4 stations in the Cochin Harbour area. The development and composition of the primary film and ecological succession of fouling communities have been investigated.
3. Shri N. M. Shah		Hydrography of the Kerala Coast up to the 100 fathom line	Water samples collected by R. V. Conch while on long cruises have been analysed.
		Productivity studies in the waters off Cochin	A series of "Tank" and "*in situ*" experiments, using C14 technique, both in the sea and the backwater region, throughout the year have been conducted.

Name of Staff Member, Research Student	Degree for which registered	Problem(s) under investigation	Progress made
4. Dr. C. T. Samuel		Deep sea fishes collected by R. V. Conch	The systematics of the teleosts collected by R. V. Conch from the 100 fathom line is in progress.
		Morphology of the vertebral column in fishes	Completed the study of the morphology of the vertebral column in *Lactoria cornuta (Linneus)*.
5. Shri K. P. Balakrishnan	Ph. D.	Fish, eggs and larvae of Kerala Coast	Three papers published.
		Studies on the Ecology and Breeding habits of *Solea ovata*	Monthly collections taken. The gonad index, food and feeding habits of the species are being determined.
6. Dr. P Dinamani		Biology of *Dentalium*	One paper published
		Systematics of *Umbellula*	One paper published
		Taxonomy of *Cirtiomorpha*	Work in progress.
		Symbiotic Cirripeds	Two papers published.
7. Shri A. N. P Ummerkutty		Biology of Copepods	One paper on planktonic copepods published. Systemic study of a collection of planktonic copepods of the *Zoological* Survey of India is being made. Eight papers dealing with the systematics and biology of the copepods have been sent for publication.

Name of Staff Member/ Research Student	Degree for which registered	Problem(s) under investigation	Progress made
8. Dr. V. R. Meenakshi		Studies on the Physiology of aestivation in the Indian Apple Snail	Physiological adaptation to changing environmental conditions is being worked out.
		Studies on the organic matrix of the Gastropod shell	A significant relationship between the nature of the organic matrix and the environment in which the animals live is observed. Tanned proteins play an important role in fresh water forms to adjust to changing pH of water.
9. Dr. N. Krishna Pillai		Planktonic [Crustacea of Arabian Sea	Two papers have been published, one is in print and two papers were presented for "Crustacea" symposium.
		Copepod parasites of Indian marine fishes	Detailed review of the work on Indian copepods has been presented for the symposium on "Crustacea".
10. Shri K. G. Padmanabhan	Ph.D.	Development of Kidney in *Macropodus* and *Arius*	The work has been completed.
		Development of viviparous fishes	Work started.

Name of Staff Member/ Research Student	Degree for which registered	Problem(s) under investigation	Progress made
11. Dr. P. A. John		Embryology of *Sphaeroma terebrans*	Preliminary work completed. Detailed study is being made
12. Dr. K. Sadasivan Pillai		Chemistry and technology of Marine oils and fats	Work in progress.
		Studies on the preservation of fresh fish	do.
		Utilization of sea weeds	do.
13. Shri G. Sivankutty Nair	Ph. D.	Distribution and biology of *Velorita cochinensis*	Survey of the distribution of the clams in two major lakes of Kerala and detailed study of its occurrence in the Kayamkulam lake have been carried out. Variations in the fat contents have been worked out. Breeding habits have been studied.
14. Shri V. Antony	M. Sc.	Studies on the deep water foraminifera off the Kerala Coast	105 species have been identified, sketched and described. The intensity of distribution is being worked out.
15. Shri C. P. Varghese		Studies on Sea Anemones	The deepwater sea anemones in the collections of the R. V. Conch are being identified. Assisted in analysis of the bottom deposits collected by the research vessel Conch from the inshore waters of Kerala

Name of Staff Member/ Research Student	*Degree for which registered*	*Problem(s) under investigation*	*Progress made*
16. Shri K. Aiyyappan Nair			Assisted in the work on the chemistry and technology of marine oils and fats carried out in the Fishery Technology Section.
17. Smt. C. S. Shynamma	M.Sc.	Fat analysis of bivalves	The fat of different species of bivalves has been extracted.
Research Students			
1. Dr. Anna J. Philip		Respiratory and Haematological studies on fish	Estimations of R. B. C. Haematoloit and Haemoglobin values of a few air-breathing fishes have been conducted and their relation to the ecological factors has been worked out.
2. Smt. Mariamma Thomas	Ph.D.	Development of the Chondrocranium in Elasmobranchs	Twelve developmental stages of *Chiloseyllium indicum* were studied in detail by reconstruction from serial sections.
3. Smt. Saramma Abraham	Ph D.	Food, feeding habits, morphology of the alimentary tract of a few elasmobranchs and teleosts of the Cochin Harbour area	Histology of the alimentary tract of marine and brackish water fishes was made. Stomach contents of these fishes were analysed.

	Name of Staff Member/ Research Student	Degree for which registered	Problem(s) under investigation	Progress made
4	Shri P. J. Thomas	Ph.D.	Taxonomy and aspects of Biology of Polychaetes from the Arabian sea	The polychaete collections of R. V. Conch have been worked out. The density of population on the test panels is being studied. Larval stages of *Pileroxplo pinnata* have been collected. A note on *Cossura coasta* has been accepted for publication in Current Science.
5	Smt M. Saraswathy	Ph.D	Studies on the ship worms of the West Coast of India	Ten species of ship worms belonging to the genera *Teredo*, *Bankia* and *Nausitora* were identified. The anatomy, breeding cycle and biochemical changes during reproduction and rate of growth of *Nausitora hedleyi* are being studied
6	Shri K. Krishna Pillai	Ph.D.	Studies on the Biology of certain littoral animals of Kerala Coast.	The reproductive biology of the littoral crustacea is being studied. The biochemical changes attending the annual reproductive cycle of *Lca annulepis* have been studied.
7	Shri N. Ravindranatha Menon	Ph.D	Studies on the Polyzoa of the South West Coast of India	Twenty five species have been described. The occurrence, growth rate and ecology of 6 species have been studied. Salinity tolerance, effects of exposure and vertical distribution of 4 species have been investigated.

Name of Staff Member/ Research Student	*Degree for which registered*	*Problem(s) under investigation*	*Progress made*
8. Shri A. G. Govindankutty	Ph. D.	Studies on the biology of certain inter-tidal animals of the Kerala Coast	The seasonal occurrence and relative abundance of the different species are being studied. 28 species of nematodes were identified.
9. Shri R. Damodaran	Ph. D.	Studies on the Fauna of the Mud Banks of the Kerala Coast	Collections of mud samples from Alleppey region were obtained and the intensity of Foraminifera in the sample has been noted. Specimens of *Thallasema* collected from off Cochin are being identified.
10. Shri Varghese P. Oommen	Ph. D.	Digestion in Cephalopods	The Cephalopods in the collections of the R. V. Conch are being identified. Anatomy of the common Cephalopods is worked out.
11. Smt. G. Saraswathy Ammal	Ph. D.	Comparative-study of the digestive system in Crustacea	Completed a study of the gross anatomy of representative types.
12. Smt. Susan Chacko	Ph. D.	Comparative study of the Nervous system in Crustacea	The overall pattern of the nervous system in various aquatic crustaceans has been studied. For the sake of comparison, the work is extended to terrestrial and parasitic forms.
13. Shri P. Rabindra Nath	Ph.D.	Taxonomic study of the Amphipoda	An extensive collection of littoral Amphipods has been made. 70 species have been provisionally identified.
14. Shri T. P. Kunjuraman Nayar	Ph. D.	Embryology of *Paratelfusa hydrodromus*	Histology of the reproductive organs and oogenesis has been studied.

2. Department of Physics

Staff

Professor and Head of the Department	Dr. K. Venkateswarlu, M.Sc., D.Sc., F. Inst. P., F.A.Sc.
Reader:	Dr. Joy George, M.A., Ph.D. (Lond.)
Lecturers:	1. Shri C. Purushothaman, M.Sc.
	2. Dr. G. Aruldhas, M.Sc., Ph.D.

Dr. Venkateswarlu, Head of the Department, was invited by the Technical University, Trondheim, Norway, as a Visiting Professor for a period of two months and he went abroad on 31-10-1964. Dr. Joy George was in charge of the Department during the absence of Dr. Venkateswarlu.

The Department continued to function temporarily in the Union Christian College, Alwaye. Equipment necessary for post-graduate study and research costing about Rs. 1 lakh and books and back numbers of important Physics Journals worth about Rs. 25,000/- have been purchased during the year.

Courses provided

The Department provides instruction for M.Sc. (Physics) and facilities for research leading to Ph.D.

Students

M.Sc. (Physics) (1964-'65)	*Men*	*Women*	*Total*
Previous	4	4	8
Final	5	3	8
	9	7	16

Research Students: 5

Research activities

Details of research carried out by the staff and students are given below:

Name of Staff Member/ Research Student	*Degree for which registered*	*Problem under investigation*
1. Dr. Joy George (Reader)		Crystal growth and defects
2. Dr. G. Aruldhas (Lecturer)		Nuclear Magnetism
3. Shri C. Purushothaman (Lecturer)	Ph. D.	Evaluation of molecular constants and thermo-dynamic properties of some organic molecules (2 research papers published)
4. Dr. S. Mariam (C.S.I.R. Senior Research Fellow)	Post-doctoral	1. Intermolecular inter-action in liquids 2. Vibration of Polyatomic molecules (3 research papers published)
5. Dr. K. V. Rajalakshmi (C.S.I.R. Senior Research Fellow)	Post-doctoral	Molecular Physics (3 research papers published)
6. Smt. V. Malathy Devi (C.S.I.R. Junior Research Fellow)	Ph. D.	Molecular force fields and mean amplitudes of vibration (3 research papers published)
7. Smt. Mariamma P. Mathew (Govt. of India Research Fellow)	Ph. D.	Urey-Bradley Force field of ethylene oxides and ethylene sulphide (1 research paper published)
8. Shri K. Babu Joseph (Govt. of India Research Fellow)	Ph. D.	Theoretical study of the intensities of special lines
9. Shri K. Govindankutty Menon (University Senior Research Fellow)	Ph.D.	Spordaic layers in Ionosphere

Smt. P. Bhamambal who had been awarded the C. S. I. R. Junior Research Fellowship Joined the Department on 23-12-1964.

Dr. (Miss) K. V. Rajalakshmi, C. S. I. R. Senior Research Fellow, has been awarded a post-doctoral fellowship by the Norwegian Agency for International Development to work at the Technical University, Trondheim. She has also been awarded the Andhra University Medal for 1964 for having shown conspicuous merit in research work in Physics.

3. Department of Hindi

Staff

Reader and Head of the Department	Shri A. Chandrahasan, M. A.
Lecturers:	1. Dr. N. E. Viswanatha Iyer, M.A., Ph.D.
	2. Shri A. Ramachandra Dev, M.A.
	3. Dr. M. Malik Mohammed, M.A., Ph.D.
Research Assistant:	Smt. M. Easwari, M. A.

Shri Chandrahasan, Head of the Department, was nominated as a member of

(a) The Committee on Colleges constituted by the University Grants Commission for making recommendations for the improvement of Collegiate Education in India

(b) The Committee on 'Task Force' on Higher Education, appointed by the Education Commission (India), to make an intensive study of the different aspects of Education

(c) The Hindi Salakhar Samiti (by the Union Ministry for Home Affairs)

Courses provided

The Department provides instruction for M.A. (Hindi) and facilities for research.

Students

M.A. (Hindi) (1964-65)	*Men*	*Women*	*Total*
Previous	4	13	17
Final	1	5	6
	5	18	23

Research Students: 12

The post-graduate and research students of the Department were taken on an educational tour lasting about a month to North India in April–May, 1964 visiting Calcutta, Patna, Banaras, Allahabad, Kanpur, Lucknow, Agra, Delhi and Bombay. Sirn Chandrahasan and and Smt. T. K. Sarala Devi, Lecturer, Maharaja's College, accompanied the students. They met a large number of writers and some University Professors.

Research activities

(i) *By Staff*

(a) Shri Chandrahasan is continuing his research on "Structure of Hindi and Malayalam—a Comparative Study".

(b) The U. G. C. has awarded a grant of Rs. 1,500/- to Dr. N. E. Viswanatha Iyer to work on "A Survey of Literary contribution in Hindi and related to Hindi in Kerala".

Dr. Viswanatha Iyer took part in the All India Seminar organised by the Central Hindi Institute, Agra, on "Extraneous influences in Indian Literature" in November 1964 and read a paper.

(c) The Department has undertaken the preparation of anthologies on Ancient Poets. The book on Kesavadas prepared by Dr. Viswanatha Iyer is ready for publication. The books on 'Vidyapati' (by Shri Chandrahasan) and 'Bihari' (by Smt. M. Easwari) are under preparation.

(ii) *By Research Students*

Research was continued by the research students on the topics noted below against each:

Name of Research Student	*Degree for which registered*	*Subject*
Full-time		
1. Shri V. K. Hariharan Unnithan	Ph.D.	Development of prose styles in Hindi
2. Smt. M. Easwari	Ph.D.	Vocabulary of Hindi and Malayalam – a comparative study
3. Smt. L. Sushama Bai	Ph.D.	The mind and art of the late Siyaramsaran Gupt
4. Shri R. Raman Namboodiri	M.Litt.	The Social background of Hindi Poetry in Ritikal

Name of Research Student	*Degree for which registered*	*Subject*
Part-time		
5. Shri K. K. Kumara Kurup	Ph D	Spiritual background of the works of Tulasidas and Surdas.
6. Shri M. K. Raman Ezhuthachan	Ph.D	The Gandhian influence on Hindi Literature
7. Smt. K. M. Santa Kumari	Ph.D.	Progressive element in Hindi and Malayalam Poetry
8. Smt. T. K. Sarala Devi	Ph D.	Depiction of womanhood in the poetical works of Maithilisaran Gupt and Jai Sankar Prasad
9. Smt. A. A. Kamalakshi	Ph D.	Historical background and depiction of historical characters in the dramas of Jai Sankar Prasad
10. Shri T. T. Daniel	Ph D.	Classical element in Modern Hindi Poetry
11. Shri Sudhansu Chaturvedi	Ph.D	Comparative study of the Virkavyas in Hindi and Malayalam
12. Smt. N. Seetha Devi	Ph D.	Khand Kavy Literature in Hindi

4. Department of Law

Staff

Professor and Head of the Department	Dr. A. T. Markose, M. A. LL. M., LL. D.
Lecturer:	Dr. P. Prasannan, B. Sc., M.L., LL.M., J. S. D. (Yale)
Part-time Reader:	Shri M. I. Joseph, B. A., LL. M. (Lond.), Bar-at-Law

Dr. A. T. Markose, Professor and Head of the Department, left for United Kingdom on 19th October, 1964 for a period of one year on a Commonwealth University Visiting Fellowship. Dr. R Prasannan, Lecturer, has been put in charge of the Department during the period of absence of Dr. Markose.

Courses provided

The Department offers M. L. course in Branch II-Constitutional Law and International Law and provides guidance for research scholars working for Ph.D. and LL. D.

The Department has been recognised as a member of the British Institute of International and Comparative Law.

Students

M. L. (1964-'65)	*Men*	*Women*	*Total*
Previous	7	..	7
Final	5	1	6
	12	1	13

Research Students : 6

Library

The Department has spent nearly Rs. 1 lakh towards building up a good Law Library. Besides complete sets of Indian, English and American Law Reports, the Library has a good collection of treatises, text-books and Law journals from all over the world.

Journal

Work in connection with the publication of the first issue of the 'Kerala University Law Review' is fast progressing. Contributions from some eminent Law Professors in the United States, England and France have already been received. It is hoped that the first issue of the journal could be brought out within a short time.

Research activities

(i) *B) Staff*

1. Dr. A. T. Markose:

Preparation of "A Source Book on Kerala Land Tenures".

There are a number of picturesque species of land tenure in the old States of Travancore and Cochin and in the district of Malabar. Each item of land tenure has its own historic development. With the Kerala Land Reforms Act, 1963, the historic process has reached a reasonably stable conclusion. In preparing the book an accurate description and the history of the evolution of each of these land tenures that prevailed in the last few hundred years and reflected in the various State Manuals, Court decisions and statutes are aimed at. There is no such book at present in Kerala.

The University Grants Commission has awarded an equipment grant of Rs. 1,500/- for the current year in connection with the preparation of the book, the completion of which is likely to take four or five years.

2. Dr. R. Prasannan:

(a) Engaged in the preparation of a 'Cases and Materials Book' an essential pre-requisite for the introduction of newer methods of instruction in Law.

(b) Work on British and American Constitutional Law materials is progressing.

(c) On behalf of the University, a memorandum on the question of 'Abolition of Capital Punishment in India' was prepared and submitted to the Law Commission of India, which is currently examining the question.

(ii) *By Research Students*

	Name of Research Student	*Degree for which registered*	*Problem under investigation*	*Progress made*
1.	Shri T. K. Ramakrishnan	LL.D.	Appellate Administrative Tribunals in Kerala	Has completed the collection and analysis of data from the Regional Transport Authority.
2.	Shri M. Ramamurthy Sharma	LL.D.	Administrative Control over Property	Has already completed two chapters of his thesis. The draft of the 3rd chapter on "Eminent Domain" is being completed.
3.	Shri N. Narayanan Nayar	LL.D.	The Civil Servant under the Law and Constitution	Revising the first draft of the thesis.
4.	Shri T. P. Sudarsan Rao	LL.D.	Judicial Power under the Indian Constitution	The first chapter on 'Act of State' is in the process of completion.
5.	Shri R. Sankaradasan Thampi (Part-time)	LL.D.	The Economic Interpretation of the Indian Constitution	Collecting materials for the first chapter.
6.	Shri K. Madhavan Pillai (Part-time)	LL.D.	The Concept of Fairness in the Administrative process	The candidate has been appointed as a part-time Lecturer in the Trivandrum Law College, and is now working as a part-time research student.

5 School of Management Studies

(Started functioning from October, 1964)

Staff

Director and Professor of Business Management	Dr. M. V. Pylee, M. A., D. Litt. LL. M. (Harvard)

There are, in addition, 8 part-time teachers who are duly qualified and well experienced top managers in the neighbouring business and industrial concerns or Professors in educational institutions.

Accommodation

The school is temporarily functioning in the F. A. C. T. Training School, Udyogamandal.

Courses Provided

Three year part-time Post-graduate Diploma courses in Business Management and Industrial Management.

The starting of the above two part-time courses has been approved by the University Grants Commission.

Students

Course (1964-'65)	*Men*	*Women*	*Total*
Business Management	15	—	15
Industrial Management	20	—	20
	35	—	35

The classes for the present batch of students are conducted in the evenings from 6 p. m. to 8 p. m. on 4 days in a week.

The candidates admitted as students are working personnel in the *executive or supervisory cadre in business and industrial concerns in and* around Alwaye and Ernakulam areas.

III. CALICUT CENTRE

1. Department of History
(Guruvayurappan College Campus, Calicut)

Staff

Reader and Head of the Department	Shri P. K. Karunakara Menon, M.A., M.Litt.
Lecturers:	1. Dr. T. K. Ravindran, M A., Ph.D., LL.B.
	2. Shri M.G. Sankaranarayanan, M.A.

Shri P. K. Karunakara Menon is a member of the Advisory Committee of National Register of Records, Kerala Government.

Courses provided

The Department provides instruction for M.A. History and facilities for research leading to Ph.D.

Students

M.A. (History) (1964-'65)	*Men*	*Women*	*Total*
Previous	5	3	8
Final	–	1	1
	5	4	9

Research activities

(i) *By the Staff*

Shri P. K. Karunakara Menon: He is in charge of the Government Regional Records Survey Committee Office at Trivandrum and is working on 'History of Freedom Movement in Kerala, 1600-1948"—a research project sponsored and financed by the Government of Kerala on the initiative of the Government of India.

(v) For Research Students

Name of Research Student	Degree for which registered	Problem under investigation	Progress made
Full-time			
1. Shri N. Kumaran	Ph.D.	Land Revenue Administration in Modern Travancore, 1729-1949	Consulted Land Revenue Administration Reports covering 65 years and collected much information regarding Land Tenure, Escheats, Boundary questions, Surveys, Assessments, etc. Basic material is being collected.
2. Smt D. Jayalakshmi Amma	Ph.D.	History of the Swarajist Party in India	do.
3. Smt K. Devi	Ph.D.	Travancore and the Paramount Power	
Part-time			
4. Shri E. Sreedharan	Ph.D.	History of the North Malabar down to the 18th century	Consulting the Mushika Vamsa Kavya in order to extract historical information.
5. Shri T. V. Kuppuswami	Ph.D.	Tamilnad in the time of PuRanaannuRu	Consulting Tamil literature, has collected information.
6. Shri K. Karunakaran Nair	Ph.D.	History of the Judiciary of Travancore 1729-1950	Consulted important records preserved in the University Library and collected data.
7. Shri John M. Jacob	Ph.D.	Responsive Co-operation in India's Freedom Struggle, 1920-47	Basic material is being collected.

Shri Lawrence Lopez and Shri K. J. Austin, Research Students of the Department, discontinued their studies

2. Department of Chemistry

(Farook College Campus, Feroke)

Staff

Reader and Head of the Department	Dr. S. S. Moosath, M.Sc., Ph. D.
Lecturers:	1. Dr. K. T. Rama Varma
	2. Dr. K. C. Eapen, M.Sc., Ph.D.
	3. Dr. C. P. Savariar, M.Sc , Ph.D.

Courses provided

The Department provides instruction for M.Sc. Chemistry and offers facilities for research leading to Ph.D.

The Department has a well equipped laboratory for teaching M.Sc. Chemistry and a research laboratory which is being equipped on modern lines.

Students

M.Sc. (Chemistry) (1964-'65)	*Men*	*Women*	*Total*
Previous	3	3	6
Final	5	1	6
	8	4	12

Research Students : 3

An association 'Chemical Society' has been formed to promote academic and extra-curricular activities in the Department. All the members of the teaching staff, regular students and research students of the Department are members of the Society. Weekly seminars are held under the auspices of the Society.

Library

The Library has now nearly 700 books and back volumes of 12 journals. The Department is subscribing for 30 scientific journals.

Research activities

The details of research work undertaken by the research students are given below :

Name of Research Student	Degree for which registered	Problem under investigation
Full-time		
1. Shri V. Ramanathan (Govt. of India Research Scholar)	Ph D.	Studies on anhydrous rare earth compounds (Training in advanced inorganic analysis completed)
Part-time		
2. Shri Noor Mohamad	Ph D	Studies on the complex compounds of rare earth metals
3. Shri Mohamad Kutty	Ph D	Studies in the Chemistry of Medicinal Plants.

3. Department of Botany

(St. Joseph's Colleges, Campus, Devagiri, Calicut)

Staff

Reader and Head of the Department } Dr. Kuruvilla George, M Sc., Ph D

Lecturers:

1. Dr T A Abraham, M Sc., Ph D
2. Dr K S Mandal, M Sc., Ph D. (Joined on 3-8-1964)
3. Shri J Christopher, M Sc (Joined on 18-11-1964)

The activities of the Department mainly comprised in organising and equipping the Department for both post-graduate teaching and research in plant sciences.

Courses provided

The Department provides instruction for M Sc Botany and offers facilities for research leading to Ph.D.

Students

(M. Sc. Botany) (1964-65)	Men	Women	Total
Previous	2	3	5
Final	2	3	5
	4	6	10

Research students 2

Research activities

The details of research work undertaken by the research students are given below:

Name of Research Student	*Degree for which registered*	*Problem under investigation*	*Remarks*
1. Shri T. K. Balakrishna Panicker	Ph.D.	Studies on the ecology and embryology of Araceae	
2. Shri James George	Ph.D.	Biological effects of plant growth substances	Relieved at his request on 14-8-1964
3. Smt. Ammini Cheriyan	Ph.D.	Biological effects of plant growth substances	
4. Shri K. Gopinathan Nair	Ph.D.	Studies on the application and effects of plant hormones with special reference to forest trees of Kerala State	Discontinued from 19-10-1964

The research activities were carried on along the following lines:—

1. The rooting responses of various timber yielding forest trees to growth substances in air layering propagation and regeneration practices. The trees selected for the present study are Terminalia paniculata, T. tomentosa, T. superba, Xylia xylocarpa, Dalbergia latifolia and Tectona grandis.

2. The effect of plant growth substances in breaking dormancy of seeds of forest plants Seeds of Rauwolfia serpentina, Xylia xylocarpa and Pterocarpus marsupium have been selected for this study.

3. An economic method of large scale destruction of Pistia stratiotes by herbicides has been investigated. A mixture of two contact herbicides has given very encouraging results.

4. Embryological studies of the family Araceae. Observations on the mode of development of the male gamete, embryosac and endosperm in Lagenandra ovata and Typhonium flagelliforme have been completed. One research paper is ready for publication.

4. Department of Zoology

(St. Joseph's College Campus, Devagiri, Calicut)

Staff

Reader and Head of the Department	Dr. K. K. Nayar, M.Sc., Ph.D.
Reader:	Dr. K. J. Joseph, M.Sc., D.Sc. STATE (Paris), F.R.E.S.
Lecturers.	1. Dr. K. M. Alexander, M.A., Ph.D.
	2. Dr. V. K. Kesava Prabhu, M.Sc., Ph.D.
	3. Shri P. T. Thomas, M.Sc.

Dr. K. K. Nayar was on deputation to U. S. A. from July to September, 1964 with a grant from the Ford Foundation to visit various laboratories in that country and Japan where work on Comparative Endocrinology is being done.

Courses Provided

The Department provides instruction in Zoology for M.Sc. and facilities for research leading to Ph.D.

Students

M.Sc. (Zoology) (1964-'65)	*Men*	*Women*	*Total*
Previous	2	4	6
Final	3	3	6
	5	7	12

Research Students: 8

Research activities

The Department is conducting research work on

(1) Comparative Physiology and Soil Biology, and (2) Entomology.

Research Centre at Trivandrum

The Department started its research work on Comparative Physiology and Soil Biology at Trivandrum during the year under report. The following research projects are being carried out :-

1. The scheme on 'Reproductive Physiology of Insects' financed by the Ford Foundation, started functioning from 1st April, 1964 with Dr. K. K. Nayar as the principal investigator. After the selection of the research and the laboratory staff, the scheme started functioning in the newly set up laboratory in the Aquarium campus, from October, 1964. The following items of work are done under the scheme:

   (i) Bio-chemical influence of Corpora Allata of Insects and Phe romones } by Dr. K. K. Nayar

   (ii) The neurosecretory phenomena and disturbances in endocrine and reproductive cycles caused by the administration of Clomephene } by Shri K. G. Adiyodi

   (iii) The comparative study of Corpora Allata and gonadic functions } by Shri P.I. Ittycheriah

2. A scheme of work on Reproductive Physiology of Crustacea has been started from November 1964 with financial assistance from PL 480 funds under the guidance of Dr. K. K. Nayar. Collaborating in this study Smt. Rita Gomez (U. G. C Junior Scholar) showed acceleration of gonadic developments by endocrine stimuli in the crab.

3. The scheme of work on Soil Microfauna of Kerala, financed by the Tea Board of India, is being continued in the Department and under this scheme Shri N. R. Prabhoo has made extensive investigations on Micro-oligochaets and Collembola of the soil. He studied the fluctuations of their populations in the soil based on artificial disturbances like manuring, insecticidal applications, etc.

4. Financed by the Atomic Energy Establishment a scheme of work on Cytogenetics of Collembola of the Monazite belts has been started. Shri S. G. Pillai who is working on the scheme has gone into details of chromosomal configurations in animals of the control and radiation belts.

5. Dr. V. K. K. Prabhu completed during the tenure of an N. I. S. Fellowship, a study on the 'Neurosecretory cells of the insects analysing them interferometrically, which has helped in validating different types of such cells within the brain.

Research at Calicut

The scheme of research on 'Studies (Taxonomy, Bionomics and Morphology) on the fig inhabiting chalcidoidea of India' submitted by Dr. K. J. Joseph to the C. S. I. R., New Delhi, has been sanctioned. The post of a Research Assistant with a Fellowship of Rs. 250/- p.m. has also been sanctioned for the scheme.

During the year, the following research projects were being investigated in the fields of Comparative Animal Physiology and Hydrobiology:-

1. *Distribution pattern of lipids in certain tissues of fishes - by Dr. K. M. Alexander*

Investigations on lipid content of skeletal muscles taken from different definite regions of the body and other edible tissues such as liver and brain were conducted on two fishes *Ophiocephalus sp.* and *Arius sp.* Results obtained indicate that definite variations exist in lipid distribution in muscles taken from different parts of the body.

It has been planned to assay the different muscles and tissues of fishes for glycogen also, so that a comprehensive picture of distribution pattern of energy reserves could be obtained.

2. *Free amino acid content in tissues of fishes and their alterations under experimental conditions of storage - by Dr. K. M. Alexander*
   Preliminary investigations on this project have been initiated.

3. *Hydrobiological survey of fresh water conservatories of Kerala State with special reference to physiology of certain groups*

This project is being investigated by Shri Varkey John, Government of India Research Scholar, who is working in the Department for the Degree of Ph. D. under the supervision of Dr. K. M. Alexander.

This scheme is essentially concerned with a thorough survey of the hydrobiological features of fresh water bodies of Kerala along with a study of the physiological traits of certain animals living in this habitat.

Water samples were collected regularly from different stations of Kallai and Beypore rivers and Mananchira tank for physicochemical and plankton analysis. Interesting variations in both physical and biological factors have been observed at the different stations concerned.

Studies on oxygen utilization and colour change mechanisms of *Macronus chryseus* have been conducted. Further the pollution effects by industrial wastes on the river water at Mavur would be studied and physiological investigations continued.

Research work was carried out by the research students working for Ph. D. in the Department on the problems noted below against each:

Name of Research Student	Problem under investigation
1. Shri N. R. Prabhoo	Studies on Collembola
2. Smt. P. Santhakumari	Regeneration
3. Smt. Maya Menon	Juvenile hormone in insects
4. Smt. Rita Gomez	Crustacean Endocrinology
5. Shri K. R. Seshan	Development and endocrines in insects
6. Shri Bhushan Lal Bradoo	A study of the spiders of genus *Stegodyphus* with particular reference to their social Biology and Behaviour
7. Shri B. Varkey John	—
8. Shri B. Karunakaran Nair	—

RESEARCH DEGREES

The following research students were declared eligible for the award of the degrees noted against their names on the results of the adjudication of theses submitted by them:—

Name	Degree	Subject of thesis
1. Shri T. N. Pattabhiraman	Ph. D.	Metabolism of Amino Sugars in the Nervous Tissues
2. Shri K. Narayanan Kartha	Ph. D.	Studies on the Separation of Rare Earths, Their Refractory Properties and Application in the Preparation of Sillimanite and Zircon Refractories
3. Shri A. S. Balasubramanian	Ph. D.	Inorganic Sulphate Metabolism

	Name	Degree	Subject of thesis
4.	Shri K. Sadasivan Pillai	Ph. D.	The Fatty Acid Constituents of the Liver Oil of Odonus Niger (Ruppell)
5.	Shri V. K. Kesava Prabhu	Ph. D.	Studies on the Neuro-anatomy and the Neuro-secretory System of the Millipede Jonespeltis Splendidus Verhoeff (Arthropoda)
6.	Shri M. P. Sreekumaran Nair	Ph. D.	The Role of Constitutionalism in the Indian Struggle for Freedom, 1885-1947
7.	Shri S. Agesthialingom Pillai	Ph. D.	Description of the Language of Patti Ruppattu
8.	Shri C. P. Somasundaram	M. Litt.	Rorschach Responses of People of Kerala – A Normative Study

RESEARCH SCHOLARSHIPS AND FELLOWSHIPS

I. University Research Fellowships

(i) University Junior Research Fellowships of the value of Rs. 150 p.m.

Fifteen Junior Research Fellowships awarded during the previous years were continued during the year. Thirty fellowships were newly awarded.

The following candidates were in receipt of University Junior Research Fellowships during the year under report –

	Name	Degree	Subject	Date of commencement
1.	Shri C. A. Padmanabhan	Ph. D.	Philosophy	31-8-1952
2.	Smt. P. K. Suseela	Ph. D.	do	17-8-1953
3.	Rev. C. C. Mathew	Ph. D.	do	1-10-1954
4.	Shri N. Kumaran	Ph. D.	History	11-9-1953
5.	Smt. D. Jayalakshmi Amma	Ph. D.	do	26-9-1954
6.	Smt. K. Devi	Ph. D.	do	30-9-1954

	Name	Degree	Subject	Date of commencement
7.	*Shri K. V. Bhanujan	Ph. D.	Economics	7-9-1963
8.	Shri M. Sasidharan Nair	Ph. D.	do.	29-1-1964
9.	Smt. M. Saralakumari	Ph. D.	do.	30-9-1964
10.	Shri K. Kesava Panicker	Ph. D.	Politics	17-8-1963
11.	Shri N. Chandrasekharan Pillai	Ph. D.	do.	12-9-1964
12.	Shri J. Darwin	Ph. D.	do.	12-9-1964
13.	Shri V. Gopalakrishnan Nair	Ph. D.	do.	12-9-1964
14.	Shri V. Ramachandran Nair	Ph. D.	Psychology	2-11-1961 (left on 27-7 1964)
15.	Shri P. N. Oommen Tharakan	Ph. D.	do.	3-9-1962 (left on 27-11-1964)
16.	Shri B. Dharmangadan	Ph. D.	do.	12-9-1964
17.	Rev. George Theckedath	M.Litt.	English	14 1-1964
18.	Smt. P. Padmavathy	Ph. D.	Mathematics	11-4-1963.
19.	Smt. Ammini Cheriyan	Ph. D.	Botany	28-9-1964
20.	Shri M. V. Benny	Ph. D.	do.	3-10-1964
21.	Shri T. Thomas	Ph. D.	Zoology	12-9-1964
22.	Shri A. G. Govindankutty	Ph. D.	Marine Biology	11-9-1963
23.	Shri R. Damodaran	Ph. D.	Oceanography	24-9-1964 (Awarded C. S. I. R. Jr. Fellowship from 1-12-1964)
24.	Shri N. Janardhanan Pillai	Ph. D.	Malayalam	7-10-1963
25.	Shri V. Subramonia Sarma	Ph. D.	do.	6-10-1964
26.	Shri K. B. Mohamed Hassan	M. Litt.	do.	17-9-1963
27.	Smt. P. S. Prasannakumari	M. Litt.	do.	1-10-1964
28.	Shri R. Paneerselvam	Ph. D.	Tamil	14-1-1964
29.	Shri A. Govindankutty	Ph. D.	do.	16-4-1964
30.	Smt. Gloria Sundaramathy	Ph. D.	do.	25-9-1964
31.	Shri P. R. Subramonian	Ph. D.	do.	1-10-1964
32.	Shri N. Rajagopalan	Ph. D.	do.	1-10-1964

*Scholarship awarded during the year with retrospective effect

Name	Degree	Subject	Date of commencement
33. Shri M. E. Manicka-vasagom Pillai	M.Litt.	Tamil	22-3-1961
34. Shri S. Gnanamuthu	M.Litt.	do	17-5-1961
35. Smt. C. Padmavathy Amma	M.Litt.	Sanskrit	19-10-1964
36. Smt. M. Easwari	Ph.D.	Hindi	16-9-1963 (left on 21-9-1964)
37. Shri R. Raman Namboori	M.Litt.	do	26-9-1964
38. Shri T. K. Ramakrishnan	Ph.D	Law	25-9-1963
39. Shri M. Ramamurthy Sarma	Ph.D.	do.	14-1-1964
40. Shri N. Narayanan Nair	Ph.D.	do	23-9-1964
41. Shri K. J. Joseph	Ph.D.	Education	26-8-1963
42. Smt. Vasantha Ramkumar	Ph.D.	do.	14-1-1964
43. Smt. G. Kamalamma	Ph.D.	do.	15-9-1964

Shri Ashok Koshy Muthalaly and Shri P. N. Divakara Kurup who were awarded University Junior Research Fellowships in English and Sanskrit respectively during the year, did not report.

(ii) *University Senior Research Fellowships of the value of Rs. 300/- p.m.*

Seven University Senior Research Fellowships were newly awarded during the year.

The following candidates working for the Ph.D. degree in the subjects noted against each were in receipt of University Senior Research Fellowships during the year under report :-

Name	Subject	Date of commencement
1. Smt. G. Rajamma	Botany	7-9-1962
2. Shri K. Govindankutty	Physics	5-10-1964
3. Smt. K. Saramma	Chemistry	22-2-1964
4. Shri N. Ramiah	do	1-10-1964
5. Shri N. Narayana Pillai	Botany	17-8-1961
6. *Shri Russel Solomon	do	4-9-1961
7. Shri B. Karunakaran Nair	Zoology	22-10-1964
8. Smt. T. Mariamma Thomas	Marine Biology	1-2-1964
9. Shri Mohan Mathew	Education	14-9-1964

[illegible]

Smt. K. P. Subhadra Amma who was awarded a University Senior Research Fellowship in Linguistics during the year, did not report.

(iii) *University Junior Research Fellowships (one each) in Marine Biology and Oceanography of the value of Rs. 300/-p. m.*

The following candidates working for the Ph.D. degree in the Department of Marine Biology and Oceanography, Ernakulam, were in receipt of the Fellowships during the year :—

Name	Subject	Date of commencement
1. Smt. M. Saraswathy	Marine Biology	18-4-1963
2. Shri P. J. Thomas	Oceanography	14-1-1963

II. GOVERNMENT OF INDIA RESEARCH TRAINING SCHOLARSHIPS

Eleven scholarships of the value of Rs. 250/- each per mensem awarded during the previous years were continued during the year. Nineteen scholarships were newly awarded. All the scholarship holders are working for the Ph.D. degree and the scholarships held by them are tenable for a period of three years from the date of commencement.

The following candidates were in receipt of the scholarships during the year :—

Name	Subject	Institution in which working	Date of commencement
1.*Shri J. Sundara Raja	Statistics	University Department of Mathematics and Statistics, Trivandrum.	9-9-1963
2. Shri M. Lalu	do.	do.	20-1-1964
3. Smt. Mariamma P. Mathew	Physics	University Department of Physics, Union Christian College, Alwaye.	4-5-1964
4. Shri K. Babu Joseph	do.	do.	26-9-1964

* Scholarship awarded during the year with retrospective effect.

Name	Subject	Institution in which working	Date of commencement
5. Shri P. Madhava Kaimal	Applied Chemistry	University Department of Chemistry, Trivandrum.	10-4-1961
6. Shri G. Radhakrishnan Potti	Bio-Chemistry	do.	17-1-1964
7. Shri V. Ramanathan	Applied Chemistry	University Department of Chemistry, Farook College, Feroke.	22-2-1964
8. Shri M. Rajasekharan Nair	Chemistry	University Department of Chemistry, Trivandrum.	1-1-1964
9. Shri K. V. Bhasanandan	Botany	University Department of Botany, Trivandrum	10-10-1961 (Scholarship terminated on 9-10-1964)
10. Smt. Philomina Madhavadian	do	do	17-3-1962
11. *Shri P. N. Chandrasekharan Nair	do.	do	9-9-1963
12. Shri J. Stephen	do	do	11-3-1964
13. Smt. P. Santhakumari	Zoology	University Department of Zoology, Trivandrum.	4-5-1961
14. Shri P. Rabindranath	do.	University Department of Marine Biology & Fisheries, Trivandrum.	1-4-1961
15. *Shri K. R. Sesban	do	University Department of Zoology, St. Joseph's College, Devagiri.	14-10-1963
16. Shri Valley John	do.	do.	5-9-1964
17. Smt. C. [illegible]	do	Sarvodaya Deivaswan College, Alleppey	[illegible]-9-1964

* [illegible]

Name	Subject	Institution in which working	Date of commencement
18. Smt. G. Saraswathi Ammal	Marine Biology	University Department of Marine Biology & Fisheries, Trivandrum.	10-3-1962
19. Smt. Susan Chacko	do.	do.	7-9-1962
20. *Smt. Saramma Abraham	do.	University Department of Marine Biology & Oceanography, Ernakulam.	9-9-1963
21. *Shri N. Ravindranatha Menon	do.	do.	12-12-1963
22. Shri Kunjuraman Nair	do.	University Department of Marine Biology & Fisheries, Trivandrum.	31-7-1964
Under Private College Teachers' Scheme			
23. Shri Y. Sitaraman	Mathematics	Ramanujam Institute, Madras.	1-6-1963
24. T. K. Balakrishna Panicker	Botany	Department of Botany, University Centre, Calicut.	17-7-1963
25. Shri Jacob Thomas	Zoology	Sanatana Dharma College, Alleppey.	1-5-1961
26. Shri K. Krishna Pillai	do.	Department of Marine Biology & Fisheries, Ernakulam.	9-9-1963

The following candidates who were awarded the Government of India Research Training Scholarships during the year in the subjects noted against each, did not report: —

Name of Candidate	Subject
1. Shri Y. Sankaran	Mathematics
2. Smt. N. Ramani	Statistics
3. Shri V. Vijayakumar Babu	Chemistry
4. Shri M. Nandakumaran	Applied Chemistry

(iv) *Government of India Research Scholarships of the value of Rs. 100/-p. m. for students from Non-Hindi Speaking States*

Smt. L. Sushamma Bai, a candidate working for the Ph.D. degree in Hindi in the University Department of Hindi, Ernakulam, was awarded

*Scholarship awarded during the year with retrospective effect.

a Government of India Research Scholarship in Hindi of the value of Rs. 100/- p.m. set apart for students from non-Hindi speaking states from 13-2-1964.

III. University Grants Commission Research Scholarships and Fellowships

(i) *University Grants Commission Research Scholarships of the value of Rs. 200/- p.m.*

Nine University Grants Commission Research Scholarships awarded during the previous years were continued during the year.

Six scholarships were newly awarded.

The following candidates working in the University Departments for the Ph. D. degree during the year were in receipt of the U. G. C. Research Scholarships:—

Name	*Subject*	*University Department in which the candidate is working*	*Date of commencement*
1. Shri A. Prasanna Kumar	Economics	Department of Economics, Trivandrum.	1-10-1963 (Left on 29-4-1964)
2. Shri T. J. Chandrachoodan	Politics	Department of Politics, Trivandrum.	1-9-1962 (Scholarship terminated on 30-5-1964)
3. *Shri K. Sadasivan Nair	do.	do.	24-9-1963
4. Shri V. George Mathew	Psychology	Department of Psychology, Trivandrum	1-[illegible]-1963
5. Smt. Martha Thomas	do.	do.	12-9-1964
6. Shri P. K. Abubakar	Botany	Department of Botany, Trivandrum	5-10-1964
7. Smt. Rita Gomez	Zoology	Department of Zoology, St. Joseph's College, Devagiri	21-7-1962
8. Shri Bhushan Lal Pradon	do.	do.	12-9-1964

* [illegible]

Name	*Subject*	*University Department in which the candidate is working*	*Date of commencement*
9. Shri Varghese P. Oommen	Marine Biology	Department of Marine Biology, Ernakulam.	1-10-1964
10. Shri T. Velavan	Tamil	Department of Tamil, Trivandrum.	17-3-1962
11. Shri Ayyadurai Damodaran	do.	do.	17-3-1962
12. Shri Veeraswami Venkitachalam	do.	do.	31-12-1962
13. Shri Hariharan Unnithan	Hindi	Department of Hindi, Ernakulam.	16-7-1963
14. Shri R. S. Ramachandran	do.	University Library, Trivandrum.	24-9-1964
15. Smt. Achamma George	Education	Department of Education, Trivandrum.	19-9-1961 (Left on 14-7-1964)

(ii) *University Grants Commission Junior Research Fellowships of the value of Rs. 300/- p.m.*

One University Grants Commission Junior Research Fellowship awarded during the previous year was continued during the year.

Three fellowships were newly awarded.

The following candidates working in the University Departments for the Ph.D. degree during the year were in receipt of the U.G.C. Junior Research Fellowships :—

Name	*Subject*	*University Department in which the candidate is working*	*Date of commencement.*
1. Shri P. I. Kuriachan	Botany	Department of Botany, Trivandrum.	11-3-1964
2. Shri K.V. Bhavanandan	do.	do.	10-10-1964
3. Shri P. V. Velayudhan Pillai	Malayalam	Department of Malayalam, Trivandrum.	2-12-1963
4. Shri K. Sivadasan Pillai	Education	Department of Education, Trivandrum.	5-8-1964

VI. C. S. I. R. Research Fellowships

Two junior and one senior C. S. I. R. Research Fellowships were newly awarded.

The following candidates were in receipt of the C. S. I. R. Research Fellowships during the year :-

Name	*Degree for which registered*	*Subject*	*Fellowship awarded*	*Date of commencement*
1. Smt. V. Malathy Devi	Ph.D.	Physics	Junior Fellowship (Rs. 250/- p.m.)	17-9-1963
2. Smt. P. Bhamambal	Ph.D.	do.	do.	23-12-1964
3. Shri R. Damodaran	Ph.D.	Marine Biology	do.	1-12-1964
4. Dr. S. Mariam	Post-doctoral	Physics	Senior Fellowship (Rs. 400/- p.m.)	25-5-1963
5. Dr. K. V. Rajalakshmi	do.	do.	do.	20-11-1963
6. Dr. Anna J. Philip	do.	Marine Biology	do.	10-1-1964

CHAPTER III

AFFILIATED COLLEGES

The colleges affiliated to the University fall under two categories:-

1. Colleges maintained by Government
2. Colleges maintained by private managements

Colleges maintained by Government

(a)	Number of colleges on 1-1-1964	27
(b)	Junior College newly started during the year 1964	1
(c)	Number of colleges on 31-12-1964	28

Colleges maintained by private managements

(a)	Number of colleges on 1-1-1964	63
(b)	Number of Junior Colleges newly started during the year 1964	32
(c)	Number of colleges on 31-12-1964	95

The total number of colleges affiliated to the University during the year under report was 123.

Colleges newly started

The details of the 33 Junior Colleges — imparting instruction for the Pre-Degree Course — newly started during the year 1964 are given below :-

	College	Location	Sanctioned strength in batches of eighty (1964-'65) Science	Arts	Principal	Management
	Government College (Mixed College)					
1.	Government Arts and Science College	Calicut	2	1	Shri K. R. Ramakrishnan, M.A., L.T.	State Government
	Colleges maintained by private managements (Mixed Colleges)					
2.	Baselius College	Kottayam	4	2	Dr. A. P. Mani, M.Sc., D.Phil.	H. E. the Catholicos, Kottayam.
3.	Bishop Moore College	Mavelikara	1	2	Rev. K. C. Mathew, M.Sc.	Rt. Rev. M. M. John, Bishop of Central Travancore, Kottayam
4.	Christian College	Chengannur	1	1	Rev. A. A. Pylee, M.A.	Managing Body of the Mar Thoma Church, Chengannur.
5.	Deva Matha College	Kuravilangad	1	1	Dr. N. A. Thomas, B.A. (Hons.), Ph.D.	Managing Board, St. Mary's Forane Church, Kuravilangad.
6.	Devaswom Board College	Sasthamcottah	1	1	Shri N. Chellappan Unnithan, B.A. (Hons.)	Travancore Devaswom Board, Trivandrum.

College	Location	Sanctioned strength in batches of eighty (1964-'65)		Principal	Management
		Science	Arts		
7. Iqbal College	Peringamala	2	1	Shri C. K. Abdul Karim, M.A. LL.B.	Iqbal College Trust, Peringamala.
8. Milad-e-Sherief Memorial College	Kayamkulam	2	1	Shri C. M. Syed Mohideen Shah, M.A., LL.B.	Central Travancore Muslim Educational Trust, Kayamkulam.
9. Newman College	Thodupuzha	3	1	Rev. Dr. Theobald, M.Sc., Ph.D.	Bishop of Kothamangalam, Kothamangalam.
10. Nirmalagiri College	Kuthuparamba	4	1	Rev. Fr. Antony Kurialacherry, B.A. (Hons.), M.A., M.Ed., D.Ed.	Manager, St. Joseph's Basic Training School, Wyanad.
11. N. S. S. College	Nilamel (Kottarakara)	1	2	Shri V. N. Krishna Pillai, M.Sc.	N. S. S., Changanacherry.
12. N. S. S. College	Pallipuram (Shertallai)	3	1	Shri N. Govindan Unni, M.A., B.L.	do.
13. Pazhassi Raja N. S. S. College	Mattannur	3	1	Shri C. K. Narayana Kurup, M.A.	do.
14. S. N. M. Junior College	Maliankara	4	1	Shri P. Kochunni Panicker, B.A. (Hons.), L.T.	H. M. D. P. Sabha, Moothakunnam, N. Paroor.

(14)

College	Location	Sanctioned strength in batches of eighty (1964-65) Science	Arts	Principal	Management
15. Sree Krishna College	Guruvayoor	3	1	Shri N. Balakrishnan Nair, M.A.	Guruvayoor Devaswom, Guruvayoor.
16. Sree Narayana College	Chempazhanthi	3	1	Shri T. C. Rajan, M.A., LL.B.	Sree Narayana Trusts, Quilon.
17. Sree Narayana College	Shertallai	3	1	Shri P. S. Satya Das, M.A.	do.
18. Sree Narayana College	Sivagiri (Varkala)	4	2	Shri P. K. G. Purushothaman, M.Sc., B.T.	do.
19. [illegible] College	Pulamon Junction (Kottarakara)	3	2	Shri [illegible] K. Kurian, M.A.	Most Rev. Mathew Mar Coorilos, Bishop's House, Quilon.
20. [illegible] College	Anchal	4	1	Rev. Fr. Philip C. Parthold, M.A.	The Vicar General, Arch Diocese of Trivandrum, Trivandrum.
21. St. Peter's College	Kolencherry	4	1	Rev. Fr. V. M. Geevarghese, M.A.	The Chairman, St. Peter's High School, Kolencherry.
22. [illegible] College	Pathanapuram	3	2	Shri T. C. Joseph, M.A.	Most Rev. Mar Thoma Dionysius, Mt. Tabor Monastery, Pathanapuram.

College	Location	Sanctioned strength in batches of eight (1964-'65)		Principal	Management
		Science	Arts		
23. St. Stephen's College	Uzhavoor	2	1	Rev. Fr. Peter Uralil, B.A. (HONS.), B.T.	The Manager, Our Lady of Lourdes English High School, Uzhavoor.
24. St. Thomas College	Ranni	3	1	Shri K. A. Mathew, M.SC.	The Corporate Manager for Schools under St. Thomas Valiya Pally, Ranni.
25. T. K Madhavan Memorial College	Nangiarkulangara	4	1	Dr. V. Karunakaran, M.A., Ph.D.	Sree Narayana Trusts, Quilon.
26. Velu Thampi Memorial N. S. S. College	Dhanuvacha-puram	4	2	Shri N. Chandrasekharan Nair, M.A., LL.B.	N. S. S., Changanacherry.
For Boys					
27. Kuriakose Elias College	Mannanam	3	1	Rev. Fr. Papias, M.A., B.T.	The Manager, St. Joseph's Training College, Mannanam.
28. Loyola College	Kazhakootam (Located in Loyola Institute of Sociology, Cheruvikal, Trivandrum)	3	1	Rev. Fr. Joseph Puthenkalam, M.A.	The Provincial and President of Kerala Jesuit Society, Loyola Institutions, Cheruvikal, Trivandrum.

College	Location	Sanctioned strength in batches of eighty (1964–'65) Science	Arts	Principal	Management
For Girls					
29. All Saints' College	Trivandrum	3	1	Miss Margaret Paulose, M.A., L.T.	The Mother-General, Holy Angel's Convent, Trivandrum.
30. Alphonsa College	Palai	4	1	Rev. Dr. N. M. Thomas, M.A., Ph.D.	The President, Managing Board, St. Thomas College, Palai.
31. Mercy College	Palghat	3	1	Sr. M. Chrysantha, M.A.	The Mother-General, and Manager, St. Mary's College, Trichur.
32. St. Joseph's College	Irinjalakuda	3	1	Sr. Franco, M.A., B.T.	The Mother-General, Holy Family Convent, Kuzhikattussery (Trichur District)
33. St. Xavier's College	Alwaye	3	1	Rev. Sr. Mary Redempta, M.A., M.S., Ph.D.	The Mother General, St. Joseph's Convent, Varapuzha.

New Courses

The new courses/subjects for the existing courses introduced in the various colleges during the academic year 1964-'65 are the following:—

College	*New Course/Subject*
1. Maharaja's College, Ernakulam.	(i) B. A. (Politics) (ii) B. A. (Philosophy)
2. Government College, Kasaragod.	B. Sc. (Physics)
3. Government College, Madappally.	(i) B. Sc. (Zoology) (ii) B. Com.
4. Government Sanskrit College, Pattambi.	Pre-degree
5. St. Berchmans' College, Changanacherry.	(i) B. A. (English) (ii) M. Sc. (Chemistry)
6. C. M. S. College, Kottayam.	B. Sc. (Botany)
7. Sanatana Dharma College, Alleppey.	M. Sc. (Mathematics)
8. Mahatma Gandhi College, Trivandrum.	(i) B. A. (Malayalam) (ii) B. A. (Hindi) (iii) M. Sc. (Physics)
9. Sree Narayana College, Quilon.	(i) M. A. (Malayalam) (ii) M. Sc. (Zoology) (iii) 'Income-tax Law and Practice' as an optional subject instead of 'Rural Economics and Co-operation' for B. Com.
10. N. S. S. Hindu College, Changanacherry.	(i) M. A. (History) (ii) M. A. (Malayalam) (iii) M. Sc. (Mathematics) (iv) Botany Subsidiary for B. Sc. Zoology Main

College	New Course/Subject
11. N. S. S. College, Pandalam	(i) M. A. (English) (ii) M. Sc. (Chemistry) (iii) 'Statistics' as a subsidiary subject for B. A. (Economics)
12. St. Thomas College, Palai.	M. Sc. (Chemistry)
13. Fatima Mata National College, Quilon.	(i) M. Sc. (Physics) (ii) M. Sc. (Zoology)
14. Catholicate College, Pathanamthitta	(i) B. A. (English) (ii) B. A. (Hindi) (iii) B. Sc. (Zoology)
15. Christ College, Irinjalakuda	B. A. (English)
16. Mar Athanasius College, Kothamangalam.	B. A. (English)
17. St. Albert's College, Ernakulam.	(i) M. Sc. (Mathematics) (ii) M. Sc. (Botany)
18. St. Thomas College, Trichur	(i) M. A. (English) (ii) M. Sc. (Mathematics) (iii) 'Industrial Organisation and Cost Accounts' as special subject for B. Com. instead of 'Rural Economics and Co-operation'
19. Sree Narayana College for Women, Quilon.	(i) B. A. (History) (ii) B. A. (Malayalam) (iii) M. Sc. (Home Science), the special subject being 'Home Management'.
20. N.S.S. College for Women, Trivandrum	B. Sc. (Mathematics)
21. St. Mary's College, Trichur.	B. A. (Sociology)
22. Sacred Heart College, Thevara	(i) B. A. (Sociology) (ii) M. A. (English)

College	*New Course / Subject*
23. Institute of Sociology, Trivandrum.	M. S. W.
24. Union Christian College, Alwaye	'Spectroscopy' as a special subject for M. Sc. (Physics)
25. Catholicate College, Pathanamthitta.	'Syriac' as a second language for the Pre-University, Pre-degree and Degree courses.
26. Malabar Christian College, Calicut.	(i) 'Statistics' as a full subsidiary Subject for B. Sc. Mathematics main (ii) German under Part II of B.A. / B.Sc. degree courses.
27. St Teresa's College, Ernakulam.	'Child Development' as an optional subject for M. Sc. (Home Science)
28. St. Joseph Training College for Women, Ernakulam	Methods of Teaching Physical Science and Methods of Teaching Natural Science as optional subjects for B. Ed.
29. S. N. M. Training College, Moothakunnam.	Methods of Teaching Natural Science as an optional subject for B. Ed.
30. Farook Training College, Feroke.	do.
31. Medical College, Trivandrum.	D. C. H.

The first year of the two year Pre-degree course was started during the year in all the Arts and Science Colleges and Sanskrit Colleges which provided instruction for the Pre-University course and in all the junior colleges newly started The one year Pre-University Course was also continued during 1964-'65 in 42 colleges for the benefit of candidates who were eligible to appear for the S. S. L. C. examination of March 1963 or earlier and qualified for admission to the University.

During the year 1964-'65 sanction was given to the following colleges for starting the courses noted against each:—

College	New Course
1. Mar Ivanios College, Trivandrum	B.A. (Psychology)
2. Mar Athanasius College, Kothamangalam	B.A. (Hindi)
3. Institute of Sociology, Trivandrum	B.A. (Sociology)
4. Medical College, Trivandrum	(1) M. D. (Pharmacology) (2) D. M. R.

But the courses were not started during the year under report.

General

The minimum age prescribed for admission to the Pre-degree Course is 14 years on 1st October of the year of admission.

Consequent on the large number of underaged students who applied for admission to the Pre-Degree course, the following relaxations from the minimum age rule prescribed for admission to the course were made for the year 1964-'65:—

(i) Admission of candidates who completed 13 years and 6 months on the 15th of July 1964 (viz., those who were born on or before 15-1-1951) to the first year of the Pre-degree course during 1964-'65 was allowed.

(ii) Further as a special case, those who would complete 14 years of age on 1-4-1965 (viz., those who were born on or before 1-4-1951) and have obtained an aggregate of 60% or more marks in the S.S.L.C. examination or its equivalent were allowed to join the first year of the Pre-degree course if the Principals were satisfied about their physical fitness and mental maturity and the candidates [illegible] the minimum age rule.

As regards candidates who passed the S.S.L.C. examination conducted by the Kerala State in March 1963 or earlier [illegible] be admitted to the one year Pre-University course during [illegible]

because of the age rule, it was decided that all such candidates be considered eligible for admission to the one-year Pre-University course without any age restriction. It was also decided that candidates who had passed the Madras S. S. L. C. examination after 11 years of institutional study be considered eligible for admission to the one-year Pre-University course provided they satisfied the age rule.

As regards admission to the B. Ed. course, the upper age limit was reintroduced, it being fixed on the basis of Government rules for recruitment of teachers. Twenty-seven years on 1st July 1964—relaxable by three years in the case of backward classes—was prescribed as the upper age limit for admission to the B. Ed. Course during 1964-'65. In the case of (a) teachers in regular service—the number of years spent as a teacher—and (b) ex-service men—the period of service put in the Defence Forces, would be deducted in calculating the upper age limit.

The following minimum requirements were prescribed for admission to the Pre-professional course in Medicine:—

Candidates for admission to the Pre-professional course in Medicine should have passed the University Previous Examination, or any other examination accepted by the Syndicate as equivalent thereto obtaining not less than 50 per cent of the marks in each of the subjects—Physics, Chemistry and Biology. Candidates belonging to (a) Scheduled Castes, (b) Scheduled Tribes, (c) Converts to Christianity from Scheduled Castes and Scheduled Tribes, and (d) Other Backward Communities, who seek admission to the Pre-professional course in Medicine should have passed the University Previous Examination or any other examination accepted by the Syndicate as equivalent thereto obtaining not less than 45 per cent of the marks in each of the subjects, Physics, Chemistry and Biology.

Admissions

With the coming out of the first batch of students who passed the S. S. L. C. examination of March-April 1964 after ten years schooling there was an exceptionally large number of applicants for admission to the Pre-degree course. To meet the situation, permission was granted for starting 33 new junior colleges. Permission was also given to the Arts and Science Colleges to increase their intake for the Pre-degree course subject to availability of necessary accommodation,

library and laboratory facilities, staff etc. As an emergency measure, marginal increase limited up to 10 per cent in the case of Arts Humanities batches and 5 per cent for Science batches of the Pre-degree course was permitted for the year 1964-65.

Based on the recommendations of inspection commissions, increase in strength for 1964-65 was sanctioned for the pass and post-graduate courses in Arts-Humanities and Science subjects in the Colleges which applied for it. Marginal increases for B.Sc. (Mathematics), B.A. (Arts) and B.Com. courses were also permitted.

The procedure adopted in the previous years was followed for the selection of candidates for admission to the B.Ed. course during 1964-65 also. The number of seats to be filled up by the University during 1964-65 for the B.Ed. course was 60 per cent in each private training college and 50 per cent in each Government Training College—the total number of seats being 1,550. Admissions to private training colleges in the University quota were made in the order of merit based on the principles laid down by the Committee appointed by the Syndicate for the purpose and the rules laid down by the Public Service Commission for recruitment to public service.

Strength of students and teachers

Statements showing the strength of students and teachers during 1964-65 in (1) Arts and Science and Oriental Studies Colleges, and Oriental Title Institutions, (2) Junior Colleges and (3) Professional Colleges, are given as Appendix III.

Staff — changes of importance

Among the many changes that have taken place in the staff of the Colleges, the following may be mentioned :—

Name	*Designation*	*Remarks*
Shri I. P. Narayana Pillai	Principal, University College, Trivandrum	Retired. Later appointed Professor of English in the N. S. S. College, Pandalam
Dr. N. S. Warrier	Professor of Chemistry, University College, Trivandrum	Appointed Principal of the College.

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Name	*Designation*	*Remarks*
Dr. K. Bhaskaran Nair	Professor of Hindi University College, Trivandrum.	Appointed Principal of the Government Brennen College, Tellicherry vice Shri C.C. David on leave.
Kumari M. Varghese	Principal, Government Training College, Tellicherry.	Transferred to College for women, Trivandrum, as Principal vice. Smt. K. Parvathy Amma retired.
Shri S. Venkita-krishnan	Second Grade Professor, Sanskrit College, Trivandrum.	Appointed Principal of the Sanskrit College, Pattambi vice Shri P. V. Rama Iyer retired.
Shri C. K. Abdul Kareem	Lecturer, Government Sanskrit College, Tripunithura.	Transferred to Sanskrit College, Trivandrum. Later, his services were lent to Iqbal College, Peringamala, to be appointed as Principal of the College.
Shri N. Chandra-sekharan Nair	Professor of Politics, N. S. S. Hindu College, Changanacherry,	Appointed Principal of the Velu Thampi Memorial N. S. S. College, Dhanuvachapuram.
Shri N. Govindan Unni	Lecturer, N. S. S. College, Pandalam.	Appointed Principal of the N. S. S. College, Pallipuram, Shertallai.
Rev. Dr. N. M. Thomas	Professor of Politics, St. Thomas College, Palai.	Appointed Principal of the Alphonsa College, Palai.
Shri P. Kochunni Panicker	Addl. Professor of Politics, St. Thomas College, Palai.	Appointed Principal of the S. N. M. Junior College, Maliankara.
Shri V. P. Kannan Nair	Retd. Principal, Government Victoria College, Palghat.	Appointed Principal of the Sree Kerala Varma College, Trichur.

Name	*Designation*	*Remarks*
Sr. Chrysantha	Professor, St. Mary's College, Trichur.	Appointed Principal of the Mercy College, Palghat
Rev. Dr. J. Aggaeus		Appointed Principal of the Sacred Heart College, Thevara, vice Rev. Dr. Theobald appointed Principal of the Newman College, Thodupuzha
Shri R. Ramachandra Iyer	Principal, Intermediate College, Trivandrum.	Transferred to the Engineering College, Trichur, as Professor
Shri M. Koshy	Professor, Government Brennen College, Tellicherry.	Appointed Principal of the Intermediate College Trivandrum from 1-9-64. He took charge from Shri P. George Varghese who was Principal of the College since the relief of Shri Ramachandra Iyer
Shri T. C. Joseph	Professor of Botany Union Christian College, Alwaye	Appointed Principal of the St. Stephen's College, Pathanapuram
Rev. Fr. Philip C. Pantholil	Lecturer, Mar Ivanios College, Trivandrum	Appointed Principal of the St. John's College, Anchal
Dr. V. Karunakaran	Professor of Economics, Sree Narayana College, Quilon.	Appointed Principal of the T. K. Madhavan Memorial College, Nangiarkulangara
Shri P. K. G. Purushothaman	Professor of Botany, Sree Narayana College, Cannanore.	Appointed Principal of the Sree Narayana College, Sivagiri, Varkala.

Name	Designation	Remarks
Dr. N. G. Kurup		Appointed Principal of the N. S. S. College, Ottappalam.
Shri Jos T. Manjooran Shri K. Madhavan Pillai		Appointed part-time Lecturers in the Law College, Ernakulam.
Shri K. I. Varghese	Principal, Government Training College, Trichur.	Passed away.
Shri R. Subbayan	Professor of Mathematics, College of Engineering, Trichur.	Appointed Principal Government Training College, Trichur vice-Shri K. I. Varghese. Subsequently transferred to Government Training College, Tellicherry, as Principal vice Kumari Varghese appointed Principal of the College for Women, Trivandrum.
Dr. Isaac Joseph	Professor of Preventive Medicine, Medical College, Kottayam.	Appointed Director of Public Health School, Trivandrum.
Dr. C. P. Madhavan kutty		Appointed Professor of Preventive Medicine in the Medical College, Kottayam.
Dr. M. Balaraman Nair		Appointed Professor of Pathology in the Medical College, Kottayam vice Dr. R. Saraswathy Ammal Associate Professor resigned.

Name	Designation	Remarks
Dr. K. Samu Iyer Dr. T. D. Gopalakrishna Pillai Dr. Edwin Jose Dr. George Joseph Dr. V. Kanthaswamy Dr. Susan George Dr. Elizabeth Iype Dr. N. M. Mathai	Asst. Professors, Medical College, Kottayam.	Promoted as Associate Professors
Dr. K. Ramachandra Panicker	Associate Professor, Medical College, Calicut	Transferred to Medical College, Trivandrum
Dr. P. T. George Kutty	Jr. Lecturer in Medicine and Parasitology, Veterinary College, Trichur	Deputed to undergo M. V. Sc. course in the Madras Veterinary College
Shri S. Padmanabhan	Principal, T. K. M. College of Engineering, Quilon.	Relieved on the expiry of the term of appointment.
Shri M. K. Abdul Hameed	Vice-Principal, T. K. M. College of Engineering, Quilon	Promoted as Principal of the College
Shri C. Padmanabhan Nair	Professor of Mechanical Engineering, T. K. M. College of Engineering, Quilon.	Appointed Professors in Mechanical and Electrical Engineering respectively in the N. S. S. College of Engineering, Palghat
Dr. K. Gopalan	Professor of Electrical Engineering, T. K. M. College of Engineering, Quilon	
Shri V. S. Nair	Principal, N. S. S. College of Engineering, Palghat	Reverted to parent Department.
Shri R. Govinda Menon	Professor of Civil Engineering, N. S. S. College of Engineering, Palghat	Appointed Principal of the College

Name	*Designation*	*Remarks*
Dr. B. Banerjce	Professor of Physiology, T. D. Medical College, Alleppey.	Appointed Principal of the College vice. Dr. N. G. Pandalai relieved.

Sports and Games

Facilities were provided in all the colleges for field games and athletics, special facilities being provided for women students. As in previous years, sports and games were organised in the various colleges by the college authorities. The Annual Sports Meets at which prizes, medals, cups and trophies were presented to winners, were conducted by the colleges.

The following are some of the noteworthy events of the year under report:-

The Junior Hockey team of the Intermediate College, Trivandrum, won the Championship in the Junior Division tournaments conducted by the District Hockey Association. In the State Athletic Meet held at Udyogamandal the college won the second place for 110 hurdles, third place for Broad Jump and 100 metres. Shri Ramachandra Dutt, a student of the college, was selected to represent the State in the National Basket-ball championship held at Calcutta during the year.

One basket-ball player, 2 volley-ball players, 2 hockey players and 1 table tennis player from the College for Women, Trivandrum, represented the State in the National Championship Tournaments during 1964-'65.

One member of the Cricket Team of the Maharaja's College Ernakulam, was selected for the Kerala State Junior Cricket Team for the Inter-association junior matches held in Andhra and Madras. One member of the college Basket-ball team was selected for the Kerala State Basket-ball Team for the National Championship held at Cuttack. One student from the college was also selected for the Kerala State Table Tennis Junior Team for the National Championship held at Jullandhar.

Six players from the Women's Hockey Team of the Union Christian College, Alwaye, have been selected for the coaching camp to be

held at Trivandrum to select the State team to compete in the National Championship to be played at Bhopal.

One student from the C. M. S. College, Kottayam, was selected for the State Basket-ball Men's Team, two students for the State Basket-ball Women's Team and one student for the State Hockey Women's Team.

The Volley-ball team of the Mar Ivanios College, Trivandrum, won the Kuttikrishnan Nair cup of T. K. M. College Volley-ball Tournament for the year. The foot-ball team of the college also won the Mar Thoma Trophy Inter-Collegiate Foot-ball Tournament. Two students from the college were selected to represent the Kerala State Foot-ball Team for Juniors. One student from the college was also selected to represent the State Basket-ball Team for Juniors.

In the All-Kerala Aquatic Meet, the Mahatma Gandhi College, Trivandrum, was the winner in Aquatics and Water Polo. Three students from the college were selected for the State team to take part in the National Aquatic Meet at Bombay.

One foot-ball player from the Sree Narayana College, Quilon, represented the Kerala State in the All India Inter-State Tournament at Delhi. Shri K. P. Chandrasekharan Nair, 1st year Degree student of the college, won two gold medals in jumps in the All India Olympic Athletic Meet at Calcutta. He is the Kerala record holder in Broad Jump, and Hop Step and Jump.

Two students from the St. Thomas College, Palai, were selected to represent the State in the National Sports Meet at Calcutta.

Four women students of the Sree Kerala Varma College, Trichur, represented the State in the National Women's Volley-ball Championship held at Patiala. During 1964-65 the college reached the finals of the State Volley-ball Championship and is expected to win the State Championship in 1965-'66 also.

N. S. S. College, Ottapalam, won the Sree Narayana Rolling Trophy in the Foot-ball tournament conducted by the Sree Narayana Guru Mandiram Trust.

A team of the Sree Narayana College, Sivagiri, [illegible] in the Trivandrum District Amateur Athletic Meet [illegible] [illegible]

In the Foot-ball tournament conducted by the Nirmala College, Muvattupuzha, Mar Thoma College, Thiruvalla, won the Nedumkallel Trophy for Foot-ball.

The Sacred Heart College, Thevara, won the Mar Thoma Tournament in Basket-ball.

At the Seventh Kerala Amateur Athletic Championships held at the F. A. C. T. Sports Stadium, Shri P. K. Simon, student, Mar Athanasius College, Kothamangalam, secured the first place in Hammer Throw creating a new State record.

The Women's Volley-ball team of the Medical College, Trivandrum, won the Kerala State Volley-ball Championship and the Hockey team won the State Women Championship held at Alwaye.

The Basket-ball team of the St. Teresa's College, Ernakulam, won the District and State Championships. The Captain of the State team as also 5 other players out of a group of 10 were selected from the college to play in the National Tournament at Cuttack in December 1964. Smt. Lucy Mathew, student of the college, was awarded a special prize, as the best player in the State.

Shri Krishnakumar, Pre-University student of the St. Albert's College, Ernakulam, was selected to represent the Kerala State in the National Tournament at Delhi. Shri Joseph Sebastian, a student of the College, has been the recipient of a Sports Scholarship of the value of Rs. 200/- in recognition of his outstanding performance in the University Sports Meet for 1963-'64.

Shri G. Ramachandran Nair, student, University College, Trivandrum, won the National award for Physical efficiency.

College associations and extra curricular activities

The various clubs, associations and debating societies attached to the colleges continued their activities during the year under report. Students took keen interest in the activities of the associations by arranging debates, meetings, essay competitions, excursions to places of historical, scientific and commerical importance, etc. Special meetings and functions were arranged in connection with the Independence Day, Kerala Day, Gandhi Jayanti Day, Children's Day, Human Rights Day, Republic Day, etc. The Plan Week, Co-operative Week, National Savings Week, Wild Life Week, etc. were celebrated.

The Inter-collegiate debates in English and Malayalam for the year 1963-'64 were held and the medals and cups were awarded to the winners as noted below:—

Debate in English

(a) Chandrasekharan Medal	Smt. Lakshmi Natarajan, III B. C. Economics, College for Women, Trivandrum
(b) A. M. Varkey Memorial Rolling Cup	University College, Trivandrum

Debate in Malayalam

(a) Sachivothama Shashtiabdapurthi Memorial Medal	Shri K. Prabhakaran, II M. A. Malayalam, University College, Trivandrum
(b) Dr. K. Godavarma Memorial Rolling Cup	Sree Narayana College, Quilon

Students of the College for Women, Trivandrum, took part in the Quiz Programme on the Third Plan organised by the A. I. R. and obtained a second place.

The Sarvodaya Vidyarthi Mandal of the N. S. S. Hindu College, Changanacherry, did good work during the year in the form of discussions.

The elocution competition team of the Guruvayurappan College, Calicut, participated in the oratorical competitions organised by the All India Women's Conference in connection with [illegible] Ram Mohan Roy's Birthday Celebrations [illegible] the second prize.

The St. Thomas College, Trichur, [illegible] during the year a symposium on 'Shakespeare' in which the [illegible] of the Trichur District participated.

The students of the St. Thomas College, Trichur, participated in the literary competitions held in [illegible] Jayanti by the Gandhi Tatwa Parishad [illegible]

The St. Joseph's College for Women, Alleppey, participated in [illegible] [illegible] The College has participated in the [illegible] [illegible]

[illegible]

In the Lion's Club Inter-Collegiate contest held on 19th October, 1964, Smt. T. C. Parwathi, Pre-degree student of the Providence Women's College, Calicut, won the third prize and was declared the best speaker among the lady contestants. In the Gandhi Tatwa Prachar Sabha contest held on 25th October 1964, Smt. Kasturikutty of I B. A. class in the College got the first prize forp oetry recitation, Smt. S. Mohana Bai of I B. Sc. for light music and Smt. K. P. Sreemathi for Akshara-slokam. In the Inter-collegiate competitions conducted in connection with the Catholic Youth Festival at Thevara, Smt. Catherine Gemma of III B A., won the Gold Medal and Smt. K. J Lilly of II B.Sc, the second prize for their essays on 'The Eucharist in Catholic Life'.

Shri K. C. Mohan Rao, IV year student of the Regional Engineering College, Calicut, won the shield in the Inter-Collegiate Oratorial Contest held by the Lion's Club and the first prize in the elocution competition held by the Kozhikode Corporation in connection with the National Solidarity Day.

The Sarvodaya Samaj of the Mahatma Gandhi College, Trivandrum-an organisation of students intended to instil into the minds of the members the lofty ideals of Gandhiji in theory and practice, did good work this year. They organised a large number of students of the college to participate in the cleaning campaign arranged by the Trivandrum Corporation on 2nd October 1964—the National Cleanliness Day. The Samaj undertook manual labour and arranged cultural programmes, special lectures and film shows during the Gandhi Jayanti Week.

A Symposium on the Preservation of Wild Life was held by the students of the Government Training College, Tellicherry, on 9-10-1964 and an exhibition of pictures of wild animals was held for the benefit of High School pupils.

The film Club of the Medical College, Trivandrum, has been conducting film shows in the college for the convenience of the student population of the college, which give relaxation after a week of strenuous work.

A Home Science exhibition was held in the St. Teresa's College, Ernakulam, and it was kept open to the public for a full week. The public must have profited much by visiting the exhibition which extended knowledge of Home Science to the simple lay home-maker.

Under the auspices of the Extension Service Centre of the Government Training, College, Trichur, a content course in English was organised in the college in August, 1964. About 100 teachers from the three

educational districts of Kozhikode, Badagara and Malappuram and all the trainees of the college participated in the course.

The Extension Service Centre attached to the Government Training College, Calicut, conducted a content course in Malayalam from 30-11-1964 to 5-12-1964 in which about 50 Malayalam teachers from various schools participated.

Under the auspices of the Extension Service Centre attached to the N. S. S. Training College, Ottapalam, the College conducted a good number of week-end courses, workshops in English, Mathematics and Natural Science, training courses in the use of audio-visual aids, a good number of symposia, seminars and discussion classes and above all an educational exhibition in which the high Schools of Ottapalam and Palghat districts participated.

The Golden Jubilee of the Government Sanskrit College, Tripunithura, was celebrated in February 1964 along with the Sastra Sadas.

Social Service Leagues

The Social Service Leagues started in most of the colleges during the previous years continued to function satisfactorily. The object of the League is to instil in the students the spirit of social service and their activities consisted in getting patients treated in hospitals or sanatoria, administering first aid, distributing clothes, giving noon day meals to poor school going children and financial aid to the needy. Besides, the members of the Leagues took active interest in slum clearance, constructing and repairing roads, levelling of the ground in and around the college campuses, etc.

Under the auspices of the Social Service League of the St. Berchmans's College, Changanacherry, a party of 20 students took part in the rehabilitation work of evicted persons at [illegible] in April 1964. The work lasted for about a fortnight. The activities included building up of new huts, thatching huts, medical aid and instruction in elementary principles of hygiene. A municipal road was also laid by the League in the heart of the town.

The Social Service League of the N. S. S. College, Pandalam, rendered valuable service by constructing a road besides doing maintenance work to certain other roads.

On all Sundays each member of the Social Service League of the St. Albert's College, Ernakulam, contributed a minimum of one hour's manual labour towards repair and construction of roads within the Ernakulam municipal area. On certain days slum clearance work was undertaken instead of road work. During the year they contributed 520 hours of manual labour towards public welfare.

The members of the Social Service League of the Malabar Christian College, Calicut, went in batches and collected old clothes and second-hand books for the leprosy patients at Chevayur Leprosy Home. They also conducted a raffle and donated Rs. 700/- to the leprosy home.

The Welfare Institute for Women and Children started at Cheroor under the auspices of the Social Service League of the St. Mary's College, Trichur, functioned well during the year. The children of poor working class women were fed and cared for. A craft class for tailoring and book binding has been started this year for the benefit of the poor girl students of the locality.

Social and adult education centres were started during the year at Kannookara and Chalil by the students of the Government Training College, Tellicherry. Educational films were shown. A committee consisting of a few local people and the Panchayat Executive Officer of Kannookara was formed to carry on further activities.

The activities of the Social Service Association of the Medical College, Trivandrum, consisted in carrying out Social Service including Medical relief, Health survey, Educational exhibitions, Mobile dispensaries, Nursery class, Health education programme, etc. The Association is conducting a Nursery school near the Medical College Hospital with 35 students. In spite of the food crisis, the students were given mid-day meal regularly with the help of the Red Cross Society, Trivandrum branch; milk was supplied to the poor people residing in the Ulloor area. The Association has been conducting a Health Education Programme in the Polyclinic Auditorium, once a week. This is meant to inform the public of the diseases in the locality, the methods of their prevention as well as the hygienic precautions they can observe. Film shows were conducted every week in the S. A. T. Hospital for providing a better understanding of health to the inpatients of the hospital.

From the funds collected by the members of the Social Service League of the Mar Ivanios College, Trivandrum, financial assistance

was given to the poor students for purchasing books, clothing, etc. and to the poor residents in the vicinity of the college for thatching their houses.

During the floods at Trivandrum in November 1964 heavy damage was caused to buildings and properties of many people. The Social Service Leagues attached to the city colleges did valuable service to the flood striken people, of which the following are worth mentioning:—

(i) Students of the College for Women, Trivandrum, did active work for collecting donations to the Flood Relief Fund and contributed to the Mayor's Relief Fund in money and kind.

(ii) The Social Service League of the Loyola College, Trivandrum, collected for the flood victims Rs. 3,000/- and nearly 900 pieces of cloth. They put up 17 new houses and helped another 20 households with building materials and clothes.

(iii) Immediately after the floods the members of the Social Service League of the Mar Ivanios College, Trivandrum, went out in batches of forty. They visited the flood washed areas and rendered all possible help to the distressed in rebuilding their houses. A large volume of earth work required for the reconstruction of five houses was done by the members themselves in addition to the construction of two huts completely. From the Flood Relief Fund with the League they were able to provide bamboos, cadjans, etc. for 20 persons to repair their flood damaged huts. The destitutes who resorted to the Pattom U. P. School after the floods, were visited and given money for purchasing foodgrains.

Planning Forums

Planning Forums constituted in most of the colleges functioned satisfactorily during the year. The activities included conduct of symposia, debates, construction work, small savings drive, socio-economic surveys, work camps, etc.

The important activities of the Planning Forums in the colleges during the year were as follows:—

1. In February 1964 the Planning Forum of the Malabar Christian College, Calicut, conducted a zonal level Inter-collegiate Economic Seminar on Planning and Socialism. One hundred and fifty delegates belonging to colleges in the Cannanore and Calicut Districts participated in the Seminar.

2. Under the auspices of the Economics Association and Planning Forum of the Guruvayurappan College, Calicut, the U. S. I. S., Madras, arranged a programme of educational activities in the college. An exhibition of text-books was organised by the U. S. I. S. during the week.

During the National Plan Week, the Planning Forum of the Guruvayurappan College organised a Plan Information Centre and conducted an exhibition of handicraft products, charts, diagrams, maps and photos relating to Plans. A film show on Five Year Plans arranged by the Field Publicity Officer was also conducted. Essay competitions in English, competition in portrait painting of national leaders, a meeting and a symposium were also held. National Savings drive was launched during the week and prize bonds worth Rs. 250/- were sold.

3. Besides small savings drive, the Planning Forum of the College for Women, Trivandrum, organised a symposium in connection with the Plan Publicity Week on 'Shri Jawaharlal Nehru – the Architect of Planning in India'. A Plan Information Centre was also opened.

4. The Planning Forum of the Government College, Chittur, celebrated the National Plan Week. A symposium on the 'Plans' was the highlight of the celebrations. There was also a film show. The members of the Forum did good work in spreading the message of savings among the students of the college.

5. The members of the Planning Forum of the Union Christian College, Alwaye, were afforded opportunities by the college for organising work camps and savings squads. The Forum held a work camp in November 1964.

6. The Planning Forum of the St. Joseph's College, Devagiri, met at intervals to discuss subjects such as need for small savings campaigns, role of Planning in Indian Economy, Panchayati Raj, etc. A study tour to the Mavoor Rayon Factory was arranged under the auspices of the Forum.

7. A Planning Forum Library containing a lot of literature concerning the Five Year Plans has been opened in the Little Flower College, Guruvayoor, during the year. The members of the Forum regularly visited the houses in the locality and instructed the people how to keep their surroundings clean and healthy.

8. The Planning Forum of the N. S. S. Training College, Pandalam, is organising a survey of economic conditions in the locality.

National Cadet Corps

A brief report of the activities of the Senior Division N. C. C. in the affiliated colleges furnished by the Director, National Cadet Corps, Trivandrum, is given below.

General

N. C. C. was compulsory for undergraduate boys during the period under report. All colleges affiliated to the University except Training colleges, Law colleges, Oriental Title institutions and Junior colleges were having N. C. C. Senior Division.

In the Vice Chancellor's Conference held at Banaras in December 1963, it was decided that the programme of compulsory N. C. C. must continue and the disparities between N. C. C. Senior Division and N. C. C. Rifles should be removed. Accordingly the three year course for Senior Division N. C. C. and the separate course of similar duration for N. C. C. Rifles were merged to make a uniform course of three years' duration for all undergraduate students in colleges.

Strength

A statement showing the distribution of N. C. C. Senior Division units in colleges, in 1964-'65 is given as Appendix IV.

Camps

In general, there are four types of camps in N. C. C. They are:

(a) Annual Training Camps
(b) Social Service Camps
(c) All India Summer Training Camps
(d) Advanced Leadership Courses

The activities in these camps vary according to the nature of the camp.

The primary aim of the camps is to standardise the training imparted so far during the year in their respective institutions and to put the cadets through an intensive course of collective training as well as promoting understanding and corporate living.

Annual Training Camps

Annual Training Camps held during the year were as follows:

(a) Annual Training Camps of Girls Division [illegible] Wing [illegible] held from 21 to 31st May 1964 and [illegible] 21st May [illegible]

N. S. S. College, Changanacherry, and Medical College, Trivandrum, respectively. Another Girls Division Camp was also held at Women's College, Trivandrum, from 23rd December to 30th December, 1964.

(b) Annual Training Camps of Technical Units of N. C. C. were held at Government Polytechnic, Kalamassery from 23rd May to 5th June, 1964 and another at Pangode Barracks, Trivandrum, from 27th December, 1964 to 9th January, 1965.

(c) Annual Training Camps of other Senior Division N. C. C. Units in the State were undertaken in the last week of December, 1964 at the following places:

(i) Mar Ivanios College, Trivandrum.
(ii) Sree Narayana College, Quilon.
(iii) Government High School for Boys and Girls, Adoor.
(iv) Government Basic Training School and M. G. M. H. S., Thiruvalla.
(v) S. B. High School, Changanacherry.
(vi) Union Christian College, Alwaye.
(vii) Mar Basil High School, Kothamangalam.
(viii) V. V. High School, Mannuthy.
(ix) Haigh Barracks, Malapuram.

(d) Annual Training Camp in respect of Senior Division Air Wing N. C. C. was undertaken with the Air Wing Units in Mysore State during the last week of December, 1964.

Social Service Camps

No Social Service Camps for N. C. C. Units were held during 1964.

All India Summer Training Camps

These Camps are designed to bring together cadets from various parts of the country and to train them to lead a corporate life and to develop in them an attitude and outlook conducive to national solidarity and emotional integration.

Eight All India Summer Training Camps were organised, four for boys and four for girls, in different parts of the country and 60 cadets (boys and girls) participated in these camps from the State of Kerala.

Advanced Leadership Course

The aim of this course is to make cadets physically tough, mentally agile and to develop in them self-confidence, resourcefulness, ability to accept responsibility and a spirit of co-operation. These are also to inculcate in the cadets a spirit of adventure by organising trekking and patrolling expeditions in mountainous regions and thus getting them interested in outdoor life.

Eight Advanced Leadership Camps were organised in different parts of the country and 44 cadets of the State of Kerala participated in these camps. Also an advanced leadership camp was organised by N.C.C. Dte, Kerala, at Neyyar Dam from 16th April to 6th May 1964 in which 130 cadets from the various parts of the country participated.

Other Camps

(a) *Republic Day parade camp*

A contingent of 43 cadets was deputed for the Republic Day Parade camp at Delhi in 1964. The camp was for a period of 21 days. The cadets had an opportunity to visit various places of historic importance. They had also the occasion to meet the President and the Prime Minister of India at special functions arranged for the N.C.C. cadets.

(b) *Neighbouring States camp*

Under the scheme of detailing cadets for the training camps of the neighbouring States, one officer and eight cadets were detailed for each camp held by the following N.C.C. Dtes.

(i) N.C.C. Dte, Madras and Pondicherry
(ii) N.C.C. Dte, Mysore
(iii) N.C.C. Dte, Andhra Pradesh
(iv) N.C.C. Dte, Maharashtra

(c) *Himalayan Mountaineering Course*

One cadet from Kerala State was deputed for the [illegible] and advanced Himalayan Mountaineering course held at Manali from 1st May to 25th May 1964.

(d) *[illegible]*

Naval Wing cadets are given the opportunity of cruising on board a ship of the fleet of Indian Navy.

(e) *[illegible]*

Ceremonial parades were held at [illegible] to celebrate the Independence Day.

Promise parades were also arranged in all the institutions and the Heads of educational institutions administered the "promise" to the cadets.

N. C. C. Day

The N. C. C. Day was celebrated on Sunday the 15th November, 1964. Due to the food crisis, the institutions were closed during the period; nevertheless N. C. C. Day celebrations were held as scheduled in most places.

N. C. C. Certificate Examinations

Details of certificate examinations held during 1964 are given below:—

Examination	*Number appeared*	*Number passed*
'B' Certificate (Army Wing)	934	737
'B' Certificate (Naval Wing)	31	18
'B' Certificate (Air Wing)	50	46
'C' Certificate (Army Wing)	365	201
'C' Certificate (Naval Wing)	24	18
'G' Certificate (Girls Division) Pt. I	52	52
'G' Certificate (do.) Pt. II	40	32
'B' Certificate (OTU NCC)	11	4
'C' Certificate (OTU NCC)	6	6
,D' Certificate (OTU NCC)	10	10

Research work done in affiliated colleges

1. Some teachers in the Chemistry Department of the Maharaja's College, Ernakulam, continued their part-time research work.

2. Shri C. P. Somasundaram, a research scholar, who was doing research in the Union Christian College, Alwaye, on "A Normative Study of Rorschach Responses of Kerala People" for M.Litt. Degree under the supervision of Dr. V. K. Alexander, Professor of Philosophy in the college, submitted his thesis and he has been awarded the M.Litt. degree. Miss. R. Jagadambika, another research scholar, working in the college under the supervision of Dr. Alexander has almost completed her research on "Cases of Multiple Personality" for Ph. D. She has been awarded a research fellowship by the University Grants Commission.

3. The C. M. S. College, Kottayam, has made a beginning for research work in the Post-graduate Department of Chemistry.

4. Two Government of India Research scholars have been carrying on research in Zoology in the Sanatana Dharma College, Alleppey, under the supervision of Dr. K. N. Parameswaran, Professor of Zoology.

5. Research work in Zoology is being carried on in the Christ College, Irinjalakuda.

6. *Mar Ivanios College, Trivandrum*

(i) Dr. A. P. Mathew, Professor of Zoology, continued his research on "Embryology of Scorpions". A ceiling grant of Rs. 2,500 was sanctioned by the University Grants Commission as financial assistance for this research work. Equipments and books were purchased with the grant.

(ii) 'Diapause in Lychas' and feeding mechanisms of certain exotic species are being examined.

(iii) Shri T. Thomas working on the comparative anatomy of scorpions is completing the study of muscles.

(iv) Shri K. O. John is studying the patagial muscles of draco from anatomical, histological and biochemical aspects.

(v) Dr. N. M. Antony, Professor of Parasitology and C. S. I. R. Pool Officer, is working on Helminthes and Nematodes.

7. Research in common language difficulties in English of secondary school children in Kerala—a research project sponsored and financed by the National Council of Educational Research and Training—conducted in the Government Training College, Trivandrum, was completed during the year and the report forwarded to the Director of Collegiate Education, Trivandrum.

8. The Extension Service Centre attached to the Government Training College, Trichur, carried out some research projects.

9. A Lightning Research Project under the auspices of C. S. I. R. is in progress in the N. S. S. College of Engineering, Palghat. Dr. K. Gopalan, Professor of Electrical Engineering, is the [illegible] in charge of the scheme. The main aims of the scheme are

(i) to determine the statistical distribution and frequency of lightning strokes in Kerala,

(ii) to estimate the nature and magnitude of lightning damages in industry, agriculture and other allied fields,

(iii) to record the amplitude of various parameters of lightning in Kerala region, and

(iv) to instal lightning counters all over Kerala for automatically recording the lightning strokes.

The scheme has won international recognition and is working in close collaboration with some of the lightning research centres abroad.

10. The research ward of the Ayurveda College, Trivandrum, with 30 beds, conducted research on indigenous systems of medicine in a systematic way. The curative value of medicines on complicated cases is tested in the centre and the results reported to the Government of India every month.

11. The staff of the Agricultural College, Trivandrum, worked on various research problems. There are over 20 major Government of India research schemes and 80 collegiate research schemes undertaken by the College.

New buildings of affiliated colleges

A number of colleges started work on the construction of new buildings or completed the construction already begun. Details of the completed buildings are given below:—

1. A guest house for the Union Christian College, Alwaye.
2. A library building for the C. M. S. College, Kottayam.
3. A building for the N. S. S. Hindu College, Changanacherry.
4. A building $96' \times 22\frac{1}{2}'$ with three class rooms for the Mar Thoma College, Thiruvalla, and an upstair to the eastern wing of the college.
5. A staff room for the Catholicate College, Pathanamthitta, and an extension of the asbestos hall of the college.
6. A swimming pool under the campus work projects scheme of the Government of India and a semipermanent shed $120' \times 27'$ for the Sree Sankara College, Kalady.
7. A short shooting range in the campus of the Mar Athanasius College, Kothamangalam.

8. Extension of B block of the Guruvayurappan College, Calicut.
9. Eight staff quarters for the Farook College, Feroke
10. A building with two store rooms for the Physics and Zoology departments of the Sree Narayana College for Women, Quilon
11. Four Buildings for the N. S. S. College for Women, Trivandrum
12. Staff quarters for the Assumption College, Changanacherry
13. A four storeyed building for the B. C. M. College for Women, Kottayam
14. A nutrition laboratory for the Home Science Department and a large hall for the St. Teresa's College, Ernakulam.
15. A three storeyed building 250' × 32' with laboratories and class rooms for the St. Mary's College, Trichur
16. A Physics block for the N. S. S. College, Ottapalam
17. An extension to the main building of the St. Joseph's College, Devagiri.
18. A temporary shed 92' × 25' and a laboratory shed for the Loyola College, Trivandrum
19. One wing of the St. Stephen's College, Uzhavoor.
20. A building for the St. Xavier's College for Women, Alwaye
21. A semi permanent building with 6 lecture halls each [illegible] × 20', 4 rooms 20' × 20', toilet and an inside verandah 6' wide for the Velu Thampi Memorial N. S. S. College, Dhanuvachapuram
22. Ground floor of the main building of Pazhassi Raja N. S. S. College, Mattannur.
23. A building 250' × 40' for the St. John's College, Anchal
24. A Science block for the St. Thomas College, Ranni.
25. A Hobby workshop for the Sacred Heart College, Thevara
26. A non-resident students' centre in each of the following colleges :-
    - (i) N. S. S. College, Pandalam
    - (ii) Fatima Mata National College, Quilon
    - (iii) Guruvayurappan College, Calicut.
27. A hostel building for each of the following colleges :-
    - (i) Union Christian College, Alwaye
    - (ii) Christ College, Irinjalakuda.
    - (iii) St. Thomas College, Trichur

(iv) Mar Theophilus Training College, Trivandrum.

(v) St. Thomas Training College, Palai.

(iv) Regional Engineering College, Calicut.

(vii) Mar Athanasius College of Engineering, Kothamangalam.

(viii) T. D. Medical College, Alleppey.

(ix) Medical College, Kottayam.

28. A dining hall for the hostel attached to the St. Joseph's Training College, Mannanam.

29. An extension to the central block of the Titus II Teachers' College, Thiruvalla.

30. An auditorium 80′×20′ for the Peet Memorial Training College, Mavelikara.

31. A new block and a temporary shed for the N. S. S. Training College, Ottapalam.

32. Staff quarters for the Regional Engineering College, Calicut.

33. An additional men's hostel accommodating 120 students and a ladies' hostel accommodating 50 students for the College of Engineering, Trichur.

34. A Pathology block and an Isolation block for the Medical College, Trivandrum.

35. The following buildings were constructed for the Medical College, Calicut.

(i) T. B. ward in the Head quarter's Hospital, Calicut.

(ii) Additional room for T. B. Clinic attached to the Medical College Hospital, Calicut.

(iii) Doctors' quarters

(iv) Hostel for Nursing School, Calicut.

(v) Nurses' quarters

(vi) Menials' quarters

36. A casuality ward for the Medical College Hospital, Kottayam.

37. A guest house for the T. D. Medical College Hospital, Alleppey.

38. The following buildings were constructed for the Veterinary College, Trichur:—

(i) Nutrition Hall

(ii) Breeding station for small animals

(iii) Metabolism stall

(iv) Staff quarters

CHAPTER IV

RESIDENCE, HEALTH AND PHYSICAL EDUCATION

Hostels

University Hostel for Women

Resident Warden — Mrs. P. G. Mathew, B.A., L.T.

The University Hostel for Women, newly started in 1963-'64, provides accommodation for 275 students and six Resident Tutors. Students from University Departments and City Colleges reside in the Hostel.

A qualified full-time resident nurse has been appointed during the year to look after the health of the students.

Facilities are provided in the hostel for indoor and out-door games.

There is a Students' Union to organise and direct the activities of the students in the hostel. All national days and festivals are observed with due propriety. The Hostel day was celebrated early in February, 1964. Shri A. N. Thampi was the chief guest on the occasion.

During the summer vacation, i.e., in May and June 1964, the hostel building was used for holding the All-India Seminar of the Summer School of Linguistics. During the Christmas vacation, the hostel buildings were given for the use of the N. C. C. Girl Cadets' Camp.

Hostels attached to affiliated colleges

Most of the affiliated colleges have their own hostels.

The Y. W. C. A. Hostel, Kozhencherry, was newly recognised during the year.

The total number of residents in the hostels attached to the affiliated colleges during the year was [illegible]. Students [illegible] the private hostels recognised by the University.

[illegible] were provided in most of the hostels [illegible] games like [illegible], basket ball, [illegible] and for many indoor games.

Medical Inspection

The medical inspection of students in the colleges and institutions in Trivandrum, is conducted by the University Health Centre. The medical examination of the students in the Government Colleges outside Trivandrum is conducted by medical officers appointed by Government. The students of mofussil private colleges are examined by qualified medical officers appointed by the respective managements and approved by the Syndicate.

The general health of students was reported to be fairly satisfactory.

University Health Centre

Staff

Hon. Director:	Dr. K. Ponnamma
Medical Officers:	1. Dr. J. E. Rassalam
	2. Dr. K. I. John
	3. Dr. Aysha Guharaj
Ophthalmic Specialist:	Dr. V. Sankaran
Dental Specialist:	Dr. Peter Christian
E. N. T. Specialist:	Dr. A. R. Thampi
Medical Specialist:	Dr. J. S. Sathyadas
X-Ray Specialist:	Dr. George Varghese

The main object of the University Health Centre is to provide a comprehensive and modern pattern of health care for the students, staff and functionaries of the University and also to ensure accepted health standards for University students. The initial medical examination conducted at the time the student enters the University is followed up by periodical checks at prescribed intervals.

During the last two academic years (1962-'63 and 1963-'64) 12,344 (8,213 men and 4,131 women) students were medically examined

During the current academic year till the end of November, 1964 4,975 students were medically examined. Of these, 2,950 were men and 2,025 were women.

On an analysis of the health standards of the students, it is found that malnutrition, defective vision and dental caries are the most common diseases requiring special attention.

Three hundred and eighty-five members of the University staff were also medically examined during the year.

Two meetings of the Advisory Committee and one meeting of the Co-ordinating Committee of the Health Centre were held during the year.

Members of the United States Educational Foundation visited the Centre on 12th February 1964 and observed the routine work of the Centre.

A Health Education Programme was arranged in the Mar Theophilus Training College, Trivandrum, for the teacher trainees of the B.Ed. Course. Lectures and demonstrations in First Aid and Home Nursing were given.

A group of 28 teachers undergoing the Orientation Training in Public Health at the Medical College, Trivandrum, visited the Health Centre. They were given lectures and slide demonstrations on important health subjects and also complete medical check up.

Department of Physical Education

Director Shri V. G. Abraham, B. A., Dip.P.Edn.

Shri L. Balapuru Soman N. I. S. Coach, was appointed in the Department as University Coach in athletics and he took charge on 6-7-1964.

As usual, the Department organised Inter-Collegiate Tournaments, Inter-University Tournaments and Athletics.

The Board of Physical Education was reconstituted during the year with the following members for a period of three years from 4th April, 1964.

1. Prof. Samuel Mathai, (President)
   Vice-Chancellor
2. Shri V. F. Eason,
   Principal, College of Physical Education,
   Trivandrum
3. Dr. M. Sreenivasan,
   Principal, Sree Narayana College,
   Quilon
4. Shri P. S. [illegible]
   Principal, [illegible]
   [illegible]
5. Dr. C. T. [illegible],
   Principal, Veterinary College,
   Trichur.

6. Shri N. T. Madhavan Nambiar,
   Principal, Guruvayurappan College,
   Calicut.

7. Rev. Fr. Joseph Kureethadom,
   Principal, St. Thomas College,
   Palai.

8. Dr. C. M. Francis,
   Principal, Medical College, Kottayam.

9. Shri G. Balakrishna Pillai,
   Principal, N. S. S. College,
   Pandalam.

10. Shri A. M. N. Chakiar,
    Registrar, University of Kerala,
    Trivandrum.

11. Shri V. G. Abraham, (Secretary)
    Director of Physical Education,
    University of Kerala,
    Trivandrum.

The Board of Physical Education met once during the year viz., on 12th June, 1964. Routine matters were disposed of by proceedings-in-circulation.

Inter-Collegiate Tournaments

As in previous years the Inter-Collegiate Tournaments were conducted on zonal basis. The colleges affiliated to the University were grouped into four zones—Trivandrum, Kottayam, Trichur and Kozhikode—and the Principals of the following Colleges were nominated as Conveners of the zones noted against each for 1964–'65 :—

	Convener	Zone
1.	The Principal, Fatima Mata National College, Quilon.	Trivandrum
2.	The Principal, Peet Memorial College, Mavelikara.	Kottayam
3.	The Principal, Engineering College, Trichur.	Trichur
4.	The Principal, Sree Narayana College, Cannanore.	Cozhikode

In all, 65 Colleges entered for the Inter-Collegiate Tournaments and Athletic Meet.

The Inter Collegiate Tournaments for 1964-'65 commenced by the first week of August 1964. Details of the various events for men and women and the number of colleges that participated in the events for 1964-'65 during year are as follows:—

Event	No. of Colleges participated For Men	For Women
Volley-ball	[illegible]	47
Basket-ball	[illegible]	
Badminton		[illegible]
Tennikoit	..	56
Shuttle Badminton	15	
Weight Lifting	8	.

The first Inter-Collegiate (i) Shuttle Badminton Tournament (ii) Weight Lifting Competitions and (iii) Aquatic Competitions, were held during the year.

The winners in the Inter-Collegiate Tournaments for 1964-'65 held during the year are as follows:—

Trophy	Winner
For Men	
The G. P. Cup for Volley-ball	Christ College, Irinjalakuda
The Krishna Iyer Cup for Basket-ball	Sacred Heart College, Thevara.
Joseph Kurenthadam Trophy for Shuttle Badminton	N. S. S. College of Engineering, Palghat.
For Women	
The University Cup for Volley-ball	Assumption College Changanacherry
University Shield for Badminton	Medical College, Calicut
Mrs. J. F. A. Pereira Cup for Tennikoit	Government Brennen College, Tellicherry

Weight Lifting (Men) Competitions

The first Inter-Collegiate Weight Lifting Competitions were held on a single zone basis at the Ernakulam Gymnasium in October 1964. Nineteen students from 8 colleges took part in the competitions. The results of the competitions are as follows :-

Competition	*First*	*Second*
Fly Weight	Shri M.D. John, St. Albert's College, Ernakulam.	Shri K. S. Abdul Khadar, Christ College, Irinjalakuda.
Bantam Weight	Shri P. C. George, St. Albert's College, Ernakulam.	Shri K. Dharmaratnam, Sree Narayana College, Quilon.
Feather weight	Shri P. George Kalose, Sanatana Dharma College, Alleppey.	Shri Rajaram Das, Mahatma Gandhi College, Trivandrum.
Light Weight	Shri E. K. Paul Christ College, Irinjalakuda.	Shri S. Surendran, Law College, Trivandrum.
Middle Weight	Shri George Tharian, Christ College, Irinjalakuda.	Shri E. M. Johny, Christ College, Irinjalakuda.
Light Heavy	Shri A. Rajan, Sanatana Dharma College, Alleppey.	—

Shri George Tharian of the Christ College, Irinjalakuda, and Shri A. Rajan of the Sanatana Dharma College, Alleppey, represented the University in the All-India Inter-University Weight Lifting Championship held at Peradynia, Ceylon, on 18th and 19th December, 1964.

Swimming Competitions

The first Inter-Collegiate Aquatic Competitions (Swimming and Water Polo) were held on a single zone basis at the Water Works Swimming Pool, Trivandrum, on 7th and 8th September 1964. Thirty men and 3 women from 7 Colleges took part in the competitions. Individual championship was won by Shri S. K. Vikraman Nair, University College, Trivandrum, and the Team Championship by the Mahatma Gandhi College, Trivandrum

Sixteen men and 3 women were selected for the University Aquatic Team.

Though it was the first meet, the response from Colleges was encouraging. The standard of performances was also good.

Arrangements for the conduct of Inter-Collegiate Tournaments in the remaining games are in progress.

A statement showing the winners of Inter-Collegiate Tournaments during 1961-'62, 1962-'63 and 1963-'64 is given below -

Trophy	*Winners for 1961–'62*	*Winners for 1962–'63*	*Winners for 1963–'64*
For Men			
1. The Karayalar Cup for Foot-ball	Guruvayurappan College, Calicut.	Christ College, Irinjalakuda.	Sacred Heart College, Thevara.
2. The G. P. Cup for Volley-ball	Mar Ivanios College, Trivandrum.	Sree Narayana College, Quilon.	Mar Ivanios College, Trivandrum.
3. The Vice-Chancellor's Cup for Hockey	College of Engineering, Trichur.	Medical College, Calicut.	St. Berchmans' College, Changanacherry.
4. The Kannan Devan Cup for Cricket	College of Engineering, Trivandrum.	Medical College, Trivandrum.	Medical College, Trivandrum.
5. The Krishna Iyer Cup for Basket-ball	T. K. M. College of Engineering, Quilon.	T. K. M. College of Engineering, Quilon.	St. Berchmans' College, Changanacherry.
6. The Boyle Cup for Tennis (Singles)	Veterinary College, Trichur.	College of Engineering, Trivandrum.	University College, Trivandrum.
7. The T. K. Gopalan Nair Cup for Tennis (Doubles)	College of Engineering, Trivandrum.	do.	Medical College, Trivandrum.
8. J. E. A. Pereira Cup for Tennis (on Davis Cup Lines)	do.	do.	University College, Trivandrum.

	Trophy	Winners for 1961-'62	Winners for 1962-'63	Winners for 1963-'64
9	[Individual Championship Cup for Tennis (Singles)]	Shri C. J. Chandra, Veterinary College, Trichur.	Shri Balagangadhara Kurup, College of Engineering, Trivandrum.	Shri M. Robin, University College, Trivandrum.
10	[Individual Championship Cup for Tennis (Doubles)]	Shri Gangadhara Kurup & Shri Narayan, College of Engineering, Trivandrum	Shri Balagangadhara Kurup & Shri Varghese Joseph, College of Engineering, Trivandrum.	Shri K. Rajasekharan Pillai & Shri P. A. Thomas, University College, Trivandrum.
11	The [Principal's] Cup for Athletics	Veterinary College, Trichur	College of Engineering, Trivandrum.	Veterinary College, Trichur.
12	The [Chandrasekharan Nair] Cup for Athletics	do.	do.	do.
13	H. H. The Elaya Raja Cup for Individual Championship in Athletics	Shri A. Chandrasekhara Shenoy, Mar Ivanios College, Trivandrum	Shri P. Appukuttan, College of Engineering, Trivandrum	For Individual Championships, the following athletes secured 10 points each — 1. Shri Joseph Sebastian, St. Albert's College, Ernakulam 2. Shri J. Godwin, Mar Ivanios College, Trivandrum 3. Shri Thomas Paul, St. Berchmans' College, Changanacherry
14*	[illegible] Memorial Cup for Individual Championship in Athletics	do.	do.	do.

Trophy	Winners for 1961-'62	Winners for 1962-'63	Winners for 1963-'64
For Women			
1. Mrs. Padma Chandrasekharan Cup for Basket-ball	College for Women, Trivandrum.	College for Women, Trivandrum.	Union Christian College, Alwaye.
2. University Shield for Badminton	Little Flower College, Guruvayur.	St. Mary's College, Trichur.	Medical College, Calicut.
3. University Cup for Volley-ball	C. M. S. College, Kottayam.	Sree Kerala Varma College, Trichur.	Sree Kerala Varma College, Trichur.
4. Mrs. J. E. A. Pereira Cup for Tennikoit	St. Mary's College, Trichur.	St. Mary's College, Trichur.	St. Mary's College, Trichur.
5. Mrs. V. P. Thampi Cup for Tennis (Singles)	Intermediate College, Trivandrum.	Medical College, Trivandrum.	Medical College, Trivandrum.
6. Mrs. Peonnen Lukose Cup for Tennis (Doubles)	College for Women, Trivandrum.	do.	do.
7. Mrs. A. V. Thomas Cup for Athletics.	Assumption College, Changanacherry.	C. M. S. College, Kottayam.	St. Thomas College, Palai.

Inter-Collegiate Athletic Meet

Zonal athletic meets were conducted and the athletes selected from the zones participated in the final athletic meet held at the Veterinary College, Trichur, on 27th and 28th November 1964.

The Athletic Meet was inaugurated by Captain H. A. Menezes of I. N. S. Venduruthy on 27th November, 1964. About 115 men athletes and 65 women athletes from various colleges took part in the meet. Eight new records were set up in the following events.

	Event	*Winner*	*New Record*	*Old Record*
		Men's Events		
1.	800 Metres	Shri A. Paul, Mar Athanasius College, Kothamangalam.	2 mts. 1·7 sec.	2 mts. 2 sec.
2.	Hop-Step and Jump	Shri S. Pazhania Pillai, St. Thomas College, Palai.	46 ft. 6½ ins.	45ft. 10½ ins.
3.	Shot put	Shri George Tharian, Christ College, Irinjalakuda.	37 ft. 11¾ ins.	36ft. ½ in.
4.	Discus Throw	Shri Abraham Mathew, Veterinary College, Trichur.	109 ft. 10 ins.	107 ft. 2½ ins
5.	Javelin Throw	Shri T. J. Thomas, Medical College, Calicut	170 ft. 1½ ins.	165 ft. 5 ins.
6.	Hammer Throw	Shri P. K. Simon, Mar Athanasius College, Kothamangalam.	115 ft. 10 ins.	115 ft.
		Women's Events		
7.	Discus Throw	Smt. V. A. Mary, St. Peter's College, Kolancherry.	95 ft. 9½ ins.	95 ft. ins.
8.	Javelin Throw	do.	100 ft. 7 ins.	93 ft. 5½ ins.

Eight men and 2 women athletes were selected for the University Athletic Team.

At the conclusion of the meet on 28th November 1964, Dr. M.N. Menon, Director of animal Husbandry, gave away the trophies and certificates to the winners and runners-up.

Inter-University Tournaments

On 10th May 1964 Blazer coats were awarded by the Vice-Chancellor to the members of the Kerala University Volley-ball team which won the All-India Inter-University Volley-ball Tournament for 1963-'64. On the same day one Phillips Cycle, gift by the T. I. Cycles of India, was also awarded to Shri K. Ramachandran Nair, Captain of the team, who was selected as the best sportsman for the year 1964-'65.

The University participated in the following Inter-University Tournaments (South Zone) during the year :—

Tournament	*Date*	*Venue*	*Result*
Football	September 1964	Madras	In the first match the University team lost to Mysore by 2 goals to 4.
Shuttle Badminton	October 1964	Bombay	In the first encounter against Sivaji University, the University team lost the tie by 2 matches to 3.
Volley Ball	November 1964	Poona	Kerala defeated Nagpur in the first round in two straight sets, Marathwada in the second round by 2 sets to 1 and Bombay in the semi-final, but lost to Osmania in the South Zone Final by 1 set to 2.
Basketball	November 1964	Waltair	Kerala defeated Bombay in the first round, but lost to Madras in the second round by 42—55.
Cricket	December 1964	Visakhapatnam (Andhra)	In the first match the University team lost to Mysore.

Inter-University Swimming Competitions, 1964-'65

The Inter-University Board of India entrusted to this University the responsibility for conducting the All-India Inter-University Swimming Competitions for 1964-'65. The Board of Physical Education [illegible] Organising Committee with Shri M. George, Principal

Law College, Trivandrum, as Chairman and Shri V. G. Abraham as Organising Secretary. Sub-Committees (Reception, Transport and Accommodation and Technical) were also constituted for the efficient conduct of the competitions.

Invitations were sent to all Universities in India and Ceylon. Sixteen Universities (With a strength of 93 men and 30 women athletes) took part in the competitions.

Free accommodation was provided for the Managers and athletes in the M. L. A. quarters and in the University Pavilion.

On 11th October 1964, Shri R. Prasad, Adviser to the Governor of Kerala, inaugurated the meet at the Water Works Swimming Pool, Trivandrum. The meet concluded on 13th October 1964.

Eleven events in the men's division and six in the women's division, besides high board diving and water polo, were gone through. The Calcutta University topped the men's table with 55 points. The second place went to Bombay (27 points) and the third to Kerala (16 points). In the women's division, Championship was won by the Delhi —University followed by Bombay-the runners-up.

Four new records were set up in the women's division.

Shri V. Sivaraman Nair of Kerala won the first place in the 400 metres and 1500 metres Free Style.

Shri A. N. Thampi, Chairman of the State Advisory Board of Education, gave away the trophies and certificates.

The Inter-University Athletic Competitions

The University Athletic Team participated in the All-India Inter-University Athletic Championship held at Jaipur from 31st December, 1964 to 2nd January, 1965.

The 4 x 100 metres relay team consisting of

(1) Shri Joseph Sebastian, Sacred Heart College, Thevara ;

(2) Shri P. Sukumaran, Sree Sankara College, Kalady: and

(3) Shri Samuel George and Shri Poulose John of Veterinary College, Trichur, won the 1st place and secured 4 gold medals. The men's team won 10 points and secured the 6th place in the men's section.

Smt. V. A. Mary of St. Peter's College, Kolencherry, won the 2nd place in the Javelin Throw and got a silver medal. The Kerala University was ranked 7th in the women's Section.

University Gymnasium

During the year under report the strength of the Gymnasium was 19. Training in Physical efficiency, Suryanamaskar and Yogic exercises was given as usual.

CHAPTER V

YOUTH WELFARE ACTIVITIES

Department of Youth Welfare

Hon. Director,	Dr. [illegible] George, M.A., Ph.D. (Leeds), A.B.Ps.S.
Asst. Director	Mrs. [illegible] M. George, M.A., B.T.

Youth Festival

(a) Inter-Collegiate Youth Festival, [illegible]

The Inter-Collegiate Youth Festival [illegible], was held at the [illegible] College, Trichur, from 10th to 12th September, 19[illegible]. Three hundred and [illegible] students and [illegible] teachers in charge from [illegible] colleges affiliated to the University took part in the Festival. The items of the festival and the number of teams that participated in each item are as follows:

Item	*No. of Teams*
1. Classical Music (Vocal)	21
2. Classical Music (Instrumental)	15
3. Light Music (Vocal)	37
4. Kathakali	[illegible]
5. Classical Dance (other than Kathakali)	15
6. English Elocution	[illegible]
7. Group Song	[illegible]
8. Group Dance	[illegible]
9. Drama	[illegible]

The festival was [illegible] by Sri K. P. [illegible] Menon. Selection of participants for the Inter-University Youth Festival [illegible] was made from the participants of [illegible].

(b) [illegible]

[illegible]

[illegible]

(i) [illegible]

[illegible]

Students

No.	Name and College	Item
1.	Shri P. Seetharaman, Engineering College, Trichur.	(Two for discussion, one for debate and one for Symposium on Jawaharlal Nehru or Shakespearian Recitation)
2.	Shri M. Vijayan Unni, Government College, Kasaragod.	(Two for discussion, one for debate and one for Symposium on Jawaharlal Nehru or Shakespearian Recitation)
3.	Smt. V. Vasundara, St. Teresa's College, Ernakulam.	(Two for discussion, one for debate and one for Symposium on Jawaharlal Nehru or Shakespearian Recitation)
4.	Shri C. N. Somasekharan Nair, University College, Trivandrum.	(Two for discussion, one for debate and one for Symposium on Jawaharlal Nehru or Shakespearian Recitation)
5.	Shri A. P. Radhakrishna Menon, Christian College, Chengannur	Classical Dance Kathakali
6.	Shri Raveendranatha Menon, Sree Sankara College, Kalady.	Classical Music (Vocal)
7.	Smt. P. Anandavally, Little Flower College, Guruvayoor.	Group Dance
8.	Smt. K. O. Bhageerathi, do.	Group Dance
9.	Smt. U. Umadevi, do.	Group Dance
10.	Smt. R. Seethadevi, do.	Group Dance
11.	Smt. A. V. Ambika, do.	Group Dance
12.	Smt. Vijayalakshmi do.	Group Dance

The festival was inaugurated by Shri Lal Bahadur Sastri, Prime Minister of India. All the participants in the festival were given a reception by the President of India at the Rashtrapati Bhavan and another by the Prime Minister at the Prime Minister's residence.

This year the Kerala University team won two honours—Group Dance was selected for presentation at the Rashtrapati Bhavan and Kathakali at the Valedictory function.

One day Conference of Youth Welfare Officers

A Conference of the staff—members in charge of Youth Welfare in the various colleges was held at the University Buildings, Trivandrum, on 31-3-1964. Thirty-four delegates participated. The Vice-Chancellor inaugurated the Conference. Dr. E. I. George, Dr. J. D. Dameron (visiting Professor in the Department of Psychology) and Shri V. M. George, presented papers on the different aspects of Youth Welfare. A number of recommendations were made by the Conference.

Youth Leadership Training Camp

As a follow-up of the one-day conference, a Youth Leadership Training Camp was organised at the Engineering College, Trichur, from 25th May to 4th June 1964. Twenty-three delegates from the various colleges affiliated to the University participated in the Camp. Prof. Samuel Mathai, Vice-Chancellor, inaugurated the camp.

The following persons presented papers at the camp on the subjects noted against each:—

1.	Dr. L. I. George	(i)	Vocational Guidance and Placement
		(ii)	Mental Hygiene and Psychotherapy
2.	Rev. Fr. C. A. Abraham		Tutorial System
3.	Dr. A. S. Narayana Pillai	(i)	Orientation Programmes
		(ii)	Scope and requirements of different professions
4.	Shri K. Ayyappa Panicker		Co-curricular activities of students (a) Cultural activities (b) Literary and Debating activities (c) Organisational activities
5.	Shri K. O. Isaac		Occupational Information
6.	Shri V. M. George	(i)	Needs of students
		(ii)	Financial aid programme to the needy students
		(iii)	Reorganisation of University Peace [illegible]

The papers presented at the Conference and the recommendations made by the Conference are being published in the form of a book for use by Youth Welfare workers in Colleges.

Campus Work Projects

Under the Campus Work Projects Scheme of the Government of India for the year 1964-65 three applications received from the following colleges for the construction of work projects (noted against each) were forwarded to the Government of India duly recommended by the University:—

	College	Nature of project
1.	N. S. S. College, Ottapalam	Recreation Hall
2.	Sree Narayana College for Women, Quilon	Recreation Hall-cum-Auditorium
3.	Mt. Carmel Training College, Kottayam	[illegible]

Kerala University Youth

The fifth number of the Kerala University Youth was published on 26th January 1964 and the sixth number on 15th August 1964. The circulation figures stood at 27,900 for the fifth number and 34,500 for the sixth.

Under the auspices of the Kerala University Youth, Kerala University Youth Competitions Nos. II and III were held in the following items:—

Competition No. II

1. A poem of 20—40 lines in English.
2. A humorous skit of about 1,200 words in English.
3. An essay of 1,000—1,200 words in Malayalam on the subject "Indian Samskarikarangam Swatantrya-sampadanathinu sesham".

Competition No. III

1. A poem in Malayalam.
2. A short story in Malayalam.
3. An essay in English on "Space Age".

The entries received were adjudged by a panel of three Judges for each item. Prizes were awarded as noted below for the three items of Competition No. II and item 2 of Competition No III.

Item	*Nature of award*	*Winner*
Competition No. II		
Poem in English	First Prize	Shri C. Narayanan Nampoothiripad, St. Joseph's College, Devagiri.
	Second Prize	Shri V. C. John, Government Victoria College, Palghat.
Humorous Skit in English	First Prize	Not awarded.
	Second Prize	Shri Thimmappa Gatti, Government, Training College, Tellicherry.

Item	Nature of award	Winner
Essay in Malayalam	First Prize	Smt. Mary Jacob, Union Christian College, Alwaye
	Second Prize	Shri C. N. Somasekharan Nair, University College, Trivandrum
Competition No. III		
Short story in Malayalam	First Prize	Shri M. K. Radhakrishnan, Engineering College, Trichur.
	Second Prize	Shri P. G. Gopinatha Kurup, University College, Trivandrum

Visits by Foreign Students

1. Visit of Australian Students

Of the [illegible] Australian University students who came to India under the Australian Overseas Student Travel Programme, a group of [illegible] students visited Kerala in January 19[illegible]. A reception was given to them on [illegible] when they arrived at Trivandrum. Their visit lasted for a week and it was so arranged as to enable them to study Indian life. They visited places of cultural, educational and tourist importance in Kerala.

2. Visit of [illegible] Students

A group of [illegible] students [illegible] University in August [illegible]. The department arranged their programme in Kerala in collaboration with the Director of Tourism. A tea party was arranged on [illegible] August 19[illegible] to meet them. The [illegible] students visited several educational institutions in Trivandrum and went to [illegible]. They were in Kerala for about a week.

UNIVERSITY UNION

President: For 1963-'64 — Shri K. P. Kesava Karanavar,
Student, Law College,
Trivandrum.

Secretary: For 1963-'64 — Shri T. K. Mammad,
Student,
Ayurveda College,
Trivandrum.

Honorary Treasurer: Dr. E. I. George,
Reader and Head of the Department
of Psychology, Trivandrum.

The Union provides a reading room and a library and facilities for indoor games.

During the academic year 1963-'64, 442 University students took membership of the Union and the Executive Committee functioned with 17 members. The Committee held several meetings.

Dr. John Mathai Memorial Inter-Collegiate English Elocution Competition 1963-'64

Dr. John Mathai Memorial Inter-Collegiate English Elocution Competition for 1953-'64 was conducted by the Union at the Ayurveda College, Trivandrum, on 17th January 1964. Fourteen Colleges participated in the competition. The rolling trophy for the best team was won by the Sree Narayana College, Quilon. Individual cups were awarded to Shri C. N. Somasekharan Nair, University College, Trivandrum (First Prize) and Shri C. K. Koshy, Fatima Mata National College Quilon (Second Prize).

A 'one-day' discussion camp of University students was conducted at Kovalam on 19th January 1964. About 80 students participated in the discussion camp. Dr. V. K. Sukumaran Nair, Head of the University Department of Politics, presented a working paper on " The Language problems in India'.

The valedictory function of the University Union was conducted on 16th March 1964 at the Convocation Hall. Shri R. Sankar, the then Chief Minister of Kerala and Pro-Chancellor of the University, delivered the valedictory address.

On 22nd September 1964, Mr. Rama Labhaya Lakhina, Associate Secretary of the International Students' Conference (with permanent Secretariat at Leiden, Netherlands) visited the University and various colleges in Trivandrum. A tea party was arranged in honour of Mr. Lakhina along with the foreign students and student representatives of Trivandrum Colleges.

Enrolment of members for 1964-'65 has not been made because steps are underway to re-organise the University Union so as to make it a Federation of College Unions.

CHAPTER VI

UNIVERSITY INSTITUTIONS AND DEPARTMENTS
(Non-teaching)

1. University Library

Librarian: Shri K. A. Isaac, B.Sc., M.Lib.Sc.

Smt. S. Janaki Ammal, Asst. Librarian Grade I, who was under re-employment in 1963 was re-employed for a further period of one year from 24-2-1964.

Shri M. M. Job, Asst. Librarian Grade II, was relieved on 15-7-1964 to join the Master's Degree Course in Library Science in the Delhi University on deputation and he is currently undergoing the course.

Three posts of Library Assistants were converted into posts of Technical Assistant and filled up by promotion. Four new posts of Library Assistant were also sanctioned during the year and they were filled up.

Library Advisory Committee

There was no change in the personnel of the Library Advisory Committee. Two meetings of the Advisory Committee were held during the year.

Instruction in Library use

In order to ensure a better use of the Library by students, talks were arranged in the Library for the students of the University College on the methodology of library use. One hundred and forty seven students of the various post graduate courses of the University College attended the talk on different days. This programme is being continued.

Service

The shift system under which the Library is kept open from 8 A.M. to 8 P.M. on all days except Sundays and a few holidays, continued to be in operation.

The Browne system of issuing books on loan was introduced with effect from 1-7-1964. This has considerably reduced the time involved in the process of issuing books.

The statistics relating to members, books issued on loan, etc. [illegible] are given below.

	1963		1964
Number of members (as on 31-12-1963)	2,267	(as on 31-12-1964)	2,734
Number of members newly enrolled	620		779
Number of persons who used the Library	76,578		1,17,599
Number of volumes issued for reference within the Library	72,936		1,03,844
Number of volumes issued on loan	30,247		41,487

The number of persons who withdrew their membership during the year is 312.

Books and Journals

Number of volumes in the Library on 31-12-1963	94,540
*Number of volumes newly added during the year 1964	10,255
Number of volumes in the Library on 31-12-1964	1,04,795

During the year the Library received 212 books as gift from the Asia Foundation under its "Books for Asian Students" Programme. A few valuable back volumes of "Chemical Abstracts" and "Journal of the American Chemical Society" received from the Foundation deserve special mention.

Reorganisation

The re-organisation of the Library made steady progress during the year. 9,786 books of the old stock were classified and catalogued. The total number of books including current books classified and catalogued during the year was 15,078.

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* This includes 212 books received from the Asia Foundation and 309 books received from other sources as gift.

2. University Manuscripts Library

Curator : Dr. K. Raghavan Pillai M.A., Ph.D.

Dr. K. Raghavan Pillai, Curator, has been nominated as a member of (a) The State Advisory Committee for Archives by the State Government and (b) The Expert Committee for Library Science attached to the Standing Commission for Scientific and Technical Terms by the Union Government.

The Library continued its project of collection, preservation and publication of ancient manuscripts.

The research Staff of the library, under the guidance of the Curator, carry on textual research leading to critical edition and publication of texts.

Texts are published from the Library in two series—Trivandrum Sanskrit Series and Trivandrum Malayalam Series.

Two quarterly journals are also published—one in Sanskrit and the other in Malayalam. The purpose of the journals is the publication of smaller works serially.

Publications

The following works were published during the year :—

Trivandrum Sanskrit Series

1. Ambikalapa
2. Adbhutapanjara
3. Stotraratnakara, Part I
4. Bhagavata Campu
5. Karanottamam

Trivandrum Malayalam Series

1. Avirpadi Attaprakaram
2. Bhasha Bhagavad Gita of Niranam Poets — a critical edition of textual research
3. Pattukal, Part I — a collection of rare old Malayalam songs
4. Dutavakyam — Kudakam — a rare ancient Malayalam work of [illegible] A.D.

Journals

Sanskrit — Journal of the Kerala University Oriental Manuscripts Library
Volume XIII Nos. 3 and 4
Volume XIV No. 1

Malayalam — [illegible]
Volume XI Nos. 3 and 4

Manuscripts

During the year, 1317 codices of palm leaf manuscripts and 2 paper manuscripts were collected. About 3,000 manuscripts including the manuscripts of H. H. The Maharaja's Palace Library and the Government Oriental Manuscripts Library, Madras, have been catalogued and brought to accession. Index matter of Sanskrit manuscripts "Alphabetical Index, Volume III" has been prepared and finalised.

Manuscripts service is provided to institutions and scholars all over the world. This includes supplying information and transcripts of manuscripts. The facilities of the Library are made use of by visiting scholars.

Research work

Dr. K. Raghavan Pillai continued to supervise the research work of the following candidates :—

1. Shri R. Rama Varma Thampuran for M. Litt. on the Philosophical Ideas of Kalidasa.

2. Shri C. P. Madhavan Namboodiri for Ph.D. on Brahmasiddhi – a critical edition.

Other activities

1. The Library took part in the exhibition of rare manuscripts organised by the National Museum, Delhi, in connection with the 26th International Congress of Orientalists held from 4th to 10th January, 1964.

2. Dr. K. Raghavan Pillai the Curator, gave an orientation course on "Ancient Kerala and the development of its Social Institutions" to

   (i) a group of history students of the Syracuse University, U. S. A., who visited the country in August, 1964; and

   (ii) a group of graduate students from New York University in December, 1964.

3. Dr. K. Raghavan Pillai took part in symposiums on 'Ancient Indian Culture' at Trivandrum and on 'Kodungalloor Kunjikuttan Thampuran' at Kodungalloor (Cranganore) in August 1964 and on 'Private Archives' at Trivandrum in December, 1964.

4. *Tape recording of Vedic hymns*

The Library has a programme for building up a collection of tape records of Vedic hymns for future research since the generation which can vocally render the Vedas properly is fast dying out.

The Curator held a conference of Namboodiri Vaidikas in October 1964 at Trichur in this context and had some recordings of Vedic recitations made to illustrate his talk on "Namboodiri Vedic recitation and Kerala University's programme of Vedic recording" before the Vedic section of the 22nd All-India Oriental Conference at Gauhati from 2nd to 5th January 1965.

3. Department of Publications

Superintendent : Shri K. Parameswara Menon, M.A., L.T.

The aim of the Department is the promotion of Malayalam Literature through the publication of books in various branches of science and humanities.

The Advisory Committee for the Department of Publications was re-constituted during the year with the following members :—

1. Prof. A. Chandrahasan, (Chairman-ex-officio)
   Dean, Faculty of Oriental Studies,
   University of Kerala.

2. Dr. K. Bhaskaran Nair,
   Director of Collegiate Education, Trivandrum.

3. Sri K. C. Chacko,
   Principal, College of Engineering, Trivandrum.

4. Sri Kainikkara M. Kumara Pillai,
   All-India Radio, Trivandrum.

5. Sri K. Chandrasekharan,
   Professor of Malayalam,
   Sree Narayana College, Quilon.

6. Sri C. Narayanan,
   Professor of Economics,
   Guruvayurappan College, Calicut.

7. Dr. V. K. Alexander,
   Professor of Psychology,
   Union Christian College, Alwaye.

8. Dr. N. S. Warrier,
   Principal, University College, Trivandrum.

9. Dr. P. K. Narayana Pillai,
   Professor & Head of the Department of Malayalam,
   University of Kerala, Trivandrum.

10. Shri K. Parameswara Menon, (Secretary—ex officio)
    Superintendent,
    Department of Publications of the University,
    Trivandrum.

A meeting of the Advisory Committee was held on 22nd May, 1964.

Publications

1. "Kavyakairali", an anthology of Malayalam poems prescribed for the two-year Pre-degree course was published during the year.

2. Up-to-date-catalogues of the publications of the Department and of the University Manuscripts Library were printed for supply to the traders and learned institutions.

3. The following publications of the Department were reprinted during the year :-

   (a) Arogyamargangal by Dr. L. A. Ravi Varma- (Second edition)

   (b) Kerala Sahitya Charitram, Volumes III and IV by Ulloor S. Parameswara Iyer

   (c) "Gadyasamaharam" and "Padyasamaharam" prescribed for the one-year Pre-University Course (Fourth impression)

Steps were taken for the reprinting of Volumes I and V of the Kerala Sahitya Charitram.

The sole agency for the sale of publications given to Messrs. National Book-stall, Kottayam, has been working satisfactorily.

Five Malayalam publications of the Department have been approved by the Director of Public Instruction for use in school libraries.

4 Malayalam Lexicon

Editor: Shri Sooranad P. N. Kunjan Pillai, M.A.

The scheme envisages the preparation and publication of a comprehensive Malayalam-Malayalam-English Dictionary, including as far as possible, all words written and spoken in the Malayalam language from the earliest times to the present day, i.e., during all periods of its development. It is planned on historical and philological principles of lexicography.

The work was started in July 1953 with the appointment of Shri Sooranad Kunjan Pillai as Editor. To assist the Editor a technical staff was appointed from the beginning. The staff was reorganised from time to time to suit the requirements of the work. The present technical staff consists of 2 Assistant Editors, 3 Sub-Editors, 14 Lexicon Assistants and 10 Scribes.

The work is carried on under the direction of the Administrative Board with the Vice-Chancellor as Chairman.

A brief resume of work done

The Plan is to complete the work in three stages, viz., (1) collecting materials (words, usages, etymological information and illustrative quotations), (2) drafting of articles on words, (3) editing and publishing. The first two stages were completed by the end of 19[illegible]. During the first stage (1953-57) more than 3,000 select works of prose, [illegible] were studied, and words and illustrative usages were taken down in cards according to a carefully planned programme. Cognate words from other Dravidian languages, loan words from foreign languages, regional words and dialect forms also were collected during the period. On the whole, more than 10 lakhs of cards of words, usages, illustrative quotations and philological information were made ready during the first stage. Then [illegible] the second stage of the work was begun. The large mass of materials was alphabetically arranged and [illegible] words [illegible]

(1) [illegible]

(2) [illegible]

[illegible]

(3) cognate words from Tamil, Kannada, Telugu, Tulu, and other languages of the Dravidian family in the case of indigenous words;

(4) indication of the origin in the case of loan words from Sanskrit and other languages;

(5) Etymological note;

(6) the part of speech;

(7) meanings in Malayalam and in English (with definitions, explanations, correct usages, grammatical notes, indication of the class of verbs, reference to authorities, etc.); and

(8) illustrative usages from Old, Middle and Modern Malayalam works in chronological order (together with indication of the year when the usage is quoted from documents of known date).

The final stage of the work is editing and publication. The plan envisages the publication of the dictionary in seven volumes of nearly 1,000 pages each. Editing of matter for the first volume was also completed by 1960 along with other items of work, and immediately steps were taken for printing. There was considerable difficulty in this matter as no private press could undertake a work of this magnitude and complexity. Even the Government Press, which finally agreed to undertake the work, had to take nearly two years to equip itself with necessary types, particularly Roman types with diacritical marks required for giving the transliteration of Malayalam words. The work of printing of Volume I was, however, begun from the beginning of 1964, and it is nearing completion. This contains all the words under the first letter 'അ', numbering more than 12,500 and more than a lakh of quotations and thousands of references to authorities. This volume will run to nearly 1,000 pages, and will include an introduction, a list of abbreviated titles of books, classified lists of verbs, etc. This will be the first lexicon in any Indian language, compiled on historical and philological principles of lexicography. Several scholars to whom specimen articles on words were circulated have intimated their appreciation of the method and execution of the work.

The work of editing matter for the remaining volumes of the lexicon is making steady progress.

Lexicon

The work was originally sanctioned by the Government to be carried on under the control of the University. The Government of Madras gave an amount of Rs. 5,000 - during the first stage of the work. The U. G. C. gave an annual token grant of Rs. 20,000/- each for 4 years during the first and second stages of the work. The Commission was then pleased to enhance its share from 19[illegible] on the recommendation of a Visiting Committee sent by it to inspect and report on the work. The share of the University Grants Commission accordingly was fixed as 50% of the expenditure of the salary of the staff and 66 2/3% of the expenditure for non-recurring items such as printing, etc. The remaining part of the expenditure is met by the State Government and the University.

5. Journal of Indian History

Editor: Shri P. K. Karunakara Menon, M. A., M. Litt., L. T.

Associate Editors

(i) Dr. K. K. Pillai, M.A., D.Litt. (Madras), D.Phil. (Oxon.)
Professor of Indian History,
University of Madras.

(ii) Shri P. C. Joseph, M. A.,
Principal, C. M. S. College, Kottayam

(iii) Shri K. P. Pillai, B. A. (Oxon),
Retd. Professor of History,
University College, Trivandrum

There are 12 members in the consulting Editorial Board, mostly eminent Professors.

The Journal of Indian History is published in April, August and December every year. Articles bearing on Indian History and Culture, besides reviews of books, are published in the Journal.

6. University Employment Information and Guidance Bureau

Shri K. S. Lakshmana Panicker, Professor of Economics, University College, Trivandrum, continued to be the Professor in charge of the Bureau.

Shri James [illegible], M. A., B. T., Dip. in [illegible], took charge as Employment Officer of the Bureau on [illegible]

During the year the Bureau made [illegible] [illegible] [illegible]

The number of persons in the live register of the Bureau on 1-1-1964 was 585. During the year 845 persons (691 men and 154 Women) registered their names with the Bureau for employment assistance. As many as 739 persons were removed from the rolls on account of placement in employment or failure to renew registration. Consequently on 31-12-1964 the live register comprised 691 persons.

The Bureau effected 5,289 submissions against vacancies circulated by the Central Employment Exchange, New Delhi, the State Employment Co-ordination Officer, Directorate of National Employment Service, Trivandrum, and various Employment Exchanges in India including speculative submissions, i.e., submitting candidates without receiving reports of vacancies or vacancy notifications. The number of persons placed in employment during the year was 99. The results of a large number of submissions are awaited. A number of placements were received during the year out of the speculative submissions made by the Bureau.

As many as 3,422 persons called at the Bureau seeking advice on higher courses of studies in India and abroad. In addition, the Bureau replied suitably to 1,446 enquiries received by post. The Bureau also sponsored the applications of two candidates for admission to universities abroad. Group guidance was administered to 131 groups comprising 1,266 candidates. In addition, 66 candidates were given intensive individual guidance.

The Bureau gave wide publicity through the Director of Public Relations and All-India Radio to 75 items relating to award of scholarships, new courses of studies, vacancies of university teachers in India and abroad, competitive examinations and admission to educational institutions.

The highlight of the activities of the Bureau during the year was the publication of the fortnightly bulletin "Student Guide" disseminating latest information on matters which are of primary interest to the student world including educational and vocational guidance. Two hundred and fifty copies of the bulletin are being distributed to the different colleges in the State.

The library of the Bureau now contains 1,318 books (informative literature).

The Employment Officer of the Bureau attended the All-India Conference of University Employment Bureaux held in January 1964 at

Banaras. He also participated in the Annual Conference of the Indian Conference of Social Work, held at the St. Mary's College, Trichur, as guest speaker on "Guidance in Colleges".

7. Engineering Unit

University Engineer	Shri K. R. M[illegible] Nair
Assistant Engineer, University Sub Division, Trivandrum	Shri Baby Abraham
Assistant Engineer, University Sub Division, Ernakulam.	Shri James Paul (from [illegible])
Assistant Engineer, University Sub-Division, Calicut.	Shri Ahamed Koya

The Engineering Unit was constituted with a nucleus of staff taken from the University and those deputed from the Public Works Department and Electricity Department, on foreign service conditions.

The building programmes as approved by the University are being taken up except for the University Centre, Calicut, for which a new site has been selected at about 14 miles South of Calicut on the side of the National Highway.

Trivandrum Centre

The Gandhi Bhavan and the Non-Resident Students' Home, the two important building works started last year are almost complete.

Work relating to the construction of Engineer's Office and Store, [illegible] Building for the Botany Department and approach roads are in progress and are expected to be completed according to schedule.

The construction of the Guest House will be started [illegible].

For Water supply facilities at Kariavattom, the Public Health Engineering Department has already started [illegible] and the work is making good progress.

In the Aquarium compound, the construction of a semi-permanent building for the Department of Zoology was completed and hadedn over to the Department. The Aquarium proper was re-modelled by improvements to the buildings, laying out gardens, providing garden seats, lights, tanks, etc. and shelcreting the approach roads. Construction of quarters for the Curator and extension of Aquarium have been taken up and will be completed shortly.

Ernakulam Centre

The Hostel Building attached to the Oceanographic Laboratory is nearing completion and it will be fit for occupation soon. The two staff quarters constructed have been allotted to the Readers. Construction of Aquarium and its salt water circulation system is in good progress. Work on water supply installation is nearing completion.

Construction of Engineers Office, R. C. C. Overhead tank and approach road for the Centre is in progress.

Detailed plans for the Physics Department and Hostel for men have been received from the Architect and the estimates are under preparation.

Tenders for the building of the School of Business Management have been invited.

Besides those mentioned above, very many minor works of maintenance and special improvements to buildings and supply of furniture to various Deprrtments were also carried out.

8. KERALA UNIVERSITY PRESS

The starting of a printing press under the University during the Third Five Year Plan was under the serious consideration of the University since 1961. Shri G. Sathiadas, Assistant Superintendent, Government Press, Trivandrum, was appointed Officer-in-charge of the University Press from 1-10-1962 (on deputation), Printing machines and accessories required for the press were purchased regularly since then. A new building for the press was constructed in the University Campus. Printing machines were erected in the new building and the

Press was provided with all the necessary accessories. At present there are three cylinder printing machines, three platen printing machines, two paper cutting machines, one wire stitching machine, one ruling machine, one die, stamping machine and certain other small machines for binding and other purposes. The total cost of these machines and other printing appliances and types comes to about Rs. 2,32,000/-.

Printing and binding works of the University were undertaken by the University Press from April, 1964. Malayalam textbooks — Gadyasamaharam and Padyasamaharam for the one-year Pre-University Course and Kavyakairali for the two-year Pre-degree course — were printed in the Press and supplied to the Publications Department of the University. Printing of University Information Bulletin, Syndicate and Senate Minutes, etc. of the University was undertaken by the Press.

CHAPTER VII

LECTURES AND PUBLICATIONS

(1) Lectures

Endowment lectures as detailed below were delivered during the year :

	Lecture	Lecturer	Venue	Date	Subject
1.	Mahakavi Ulloor Lectures	Kavithilakan Vadakkumkoor Raja Raja Varma Raja	University Buildings, Trivandrum.	January, 1964	1. Pandya Sahityam 2. Position of Ulloor among the Prose Writers 3. Kerala Sahitya Charitam
2.	Subramonia Karayalar Lectures	Dr. V. Subramonium, Emeritus Scientist, Central Food Technological Research Institute, Mysore.	do.	do.	1. Storm Signals on the Food Front 2. Vegetarianism – Past and Present 3. Obesity as a Dietary Problem 4. Food Technology and Nutrition
3.	Dr. A. Ramaswami Mudaliar Lectures	Dr. S. Chandrasekhar, Director, Indian Institute for Population Studies, Madras.	do.	do.	1. Kerala's Place in Indian Demography 2. Some Aspects of Kerala's Demography (two lectures)
4.	Tagore Professorship Lectures	Dr. Nihar Ranjan Ray, Professor, Calcutta University, Calcutta.	(i) University Buildings, Trivandrum.	March, 1964	Tagore's work and Philosophy (6 lectures)
			(ii) Town Hall, Calicut.	do.	do.

The following lectures were also delivered under the auspices of the University:–

	Subject	Lecturer
1.	New Development in the Production of Electric Power	Dr. T. E. Allibone
2.	Design of Experiments	Dr. S. S. Shrikhande, Professor of Mathematics, University of Bombay.

PUBLICATIONS

(i) Research Papers

Title	*Author*	*Journal in which published*
[illegible] of Panchayats in Kerala	V. R. Pillai	Panchayati Raj
[illegible] in India in [illegible]	P. G. K. Panicker	Economic Times
[illegible] approach [illegible]	do.	do.
The [illegible] in Kerala	do.	Labour and Industries Review
[illegible] Income in India	do.	Indian Journal of Labour Economics
[illegible] in India	do.	Asian Economic Review, November [illegible]
[illegible] growth and Economic Development in Kerala	do.	A paper presented at the Seminar on the 'Implications of the Present Rate of Growth of Population in Kerala' organised by the Bureau of Economics and Statistics in August, 1968.
[illegible] in Kerala	M. A. Oommen	Planning and Commerce, July [illegible]
[illegible] problems	A. K. Sukumaran Nayar	Malayala Manorama, September [illegible]

Title	*Author*	*Journal in which published*
Education and the concurrent list	V. K. Sukumaran Nayar	Paper presented at a Seminar organised by the Kerala Educational Forum
Public Administration and the Public Interest	N. R. Visalakshi	Paper presented to the Seminar on Public Enterprises organised by the Osmania University in May 1964
Growth of non-alignment in World affairs	N. Parameswaran Nair	
Mental Hygiene for Industry	E. I. George & Joseph D. Dameron	Conference of the Indian Academy of Applied Psychology, December 1963
Group Dynamics in Industrial setting	Joseph D. Dameron	Conference of the Indian Academy of Applied Psychology, December 1963
Cross cultural validity of twelve clinical diagnostic tests	K. Devadasan	Journal of the I. A. A. P., May 1964
Teaching of English in the Pre-University class	M. Manuel	
Shakespeare in the Theatre of His Time	C. P. K. Tharagan	Shakespeare Centenary Souvenir of the British Council, Madras
Reorganisation of Post-graduate English Teaching	do.	

Title	Author	Journal in which published
Education as a University Discipline	N. P. Pillai	Journal of University Education, January 1964
The Training of Teacher Educators for Secondary Education	do.	Education and Psychology Review, Baroda, July 1964
A paper on the utilisation of the services of M. Ed. degree holders and the preference given to them in different parts of India	do.	Studies in Education, 1964
Control of the Police Screening Process — Scope of the Right in the United States and India	R. Prasannan	Supreme Court Journal, June 1964
Drainage and the discharge of the [illegible]	Aleyamma George	Indian Science Congress, 1963
Estimation of Mean Rate of change of a dependent variable X when X is not [illegible]	V. John Kurien	do.
[illegible]	N. Krishnan [illegible]	Dissertation abstracts Vol. XXIV, No. 4, 1963, U.S.A.

Title	*Author*	*Journal in which published*
Some aspects of Statistical Inference on m^{th} order Markov Processes	R. Krishna Pillai	Dissertation abstracts, 1963, U. S. A.
The Lattice point problem of many dimensional Hyperboloids, I & II	B. R. Srinivasan	Acta Mathematica, VIII (1963)
The Wifes work experience and child spacing	N. Krishnan Namboodiri	Milbank Memorial Fund Quarterly, July 1964 – U. S. A.
A test of accuracy of Ratio Correlation Population Estimates	N. Krishnan Namboodiri, D. Goldberg & V. R. Rao	Land Economics, February 1964 - U. S. A.
Force constants of Calcite and Sodium Nitrate	K. Venkateswarlu & K. Ramaswamy	Indian Journal of Pure and Applied Physics, C. S. I. R.
Molecular force fields : bent ZYZ type molecules	K. Venkateswarlu & S. Mariam	do.
Molecular force fields : XY_2Z_2 type molecules	K. Venkateswarlu & V. Malathy Devi	do.
Mean amplitudes of Vibration : XY_2Z_2 type molecules	do.	do.
Molecular Force Fields	K. Venkateswarlu	do.

Title	Author	Journal in which published
Mean amplitudes of vibration [illegible] XY$_3$ type molecules	K. V. Rajalakshmi	Proceedings of the Indian Academy of Sciences
Mean amplitudes of vibration [illegible] XY$_3$ type molecules	K. Venkateswarlu & S. Mariam	do.
Mean amplitudes of vibration in Pyramidal XYZ$_2$ type molecules	K. Venkateswarlu & K. V. Rajalakshmi	do.
Mean amplitudes of vibration XXYZ type molecules	K. Venkateswarlu & V. Malathy Devi	do.
Mean amplitudes of vibration [illegible] CH$_4$ and [illegible]	C. Purushothaman	do.
Solvent Effect on Raman Lines in Cresols and Xylenes	K. Venkateswarlu & S. Jagatheesan	Acta Physica Austriaca
Temperature dependence of the intensities of Raman lines in solution	K. Venkateswarlu & S. Jagatheesan	do.
[illegible]	K. Venkateswarlu	Paper presented at the U. G. C. Seminar on Geophysical Exploration at Hyderabad.
[illegible]	P. Sitadevamma	Indian Journal of Chemistry, Vol. 2 No. 9, 1964
[illegible]	R. Ananthanarayanan & [illegible]	I. J. C. Vol. 2 No. 8, 1964

Title	*Author*	*Journal in which published*
Protein and amino acid contents and physiological properties of the venom of the South Indian Scorpion, Heterometrus Scaber.	P. K. Oommen & P. A. Kurup	Indian Journal of Experimental Biology 2, 78, 1964.
Antibiotic substance from the root bark of Premna Integrifolia	K. K. Kurup & P. A. Kurup	Naturwissenschaften 20, 484, 1964
Mechanism of antibacterial action of antibiotic isolated from leaves of W. Somnifera. Part I — Reaction between Antibiotic & Glutathione	J. Mohan Das & P. A. Kurup	Indian Journal of Biochemistry I (3) 157, 1964
Occurrence of liquid alkaloids in Vinca rosea	N. Ramiah	Journal of the Indian Chemical Society, Vol. 41, No. 7, 1964
Studies on metal halide dioxanates—Part IV—Studies in Titanyl chloride di-oxanate	S. S. Moosath & P. M. Kaimal	Z. anorg. allgem. Chem.
Studies on metal halide dioxanates, Part V—Studies on thorium chloride dioxanate	do.	do.
Thermal decomposition of the hydroxides of metals of Group IV A	do.	J. Nucl. Inorg. Chem.
Thermal decomposition of pottasium trioxalate-chromate	do.	Indian Journal of Chemistry
Oxidation of thiourea with Ceric Sulphate	do.	do.

Title	*Author*	*Journal in which published*
A study of [illegible] tall x dwarf [illegible] progeny of dwarf coconuts of the [illegible] and its bearing on the [illegible] of dwarfs and the relative [illegible] of the [illegible] progenies	C. A. Ninan & K. Satyabalan	Caryologia, 17. 77-91
[illegible] coconut [illegible]	C. A. Ninan *et al*	Indian Coconut J 17. 62-68
[illegible] in coconuts	C. A. Ninan (with others)	Nature, London, 202. 927-928
[illegible]	P. I. Kuriachan	Cytologia, 23. [illegible]
[illegible]	K. George	Indian Journal of Experimental Biology, Vol. 2, No. 3 (161-163) 1964.
[illegible] from [illegible]	T. A. Abraham & J. J. Hitt	Canadian Journal of Microbiology, Vol. 10, 251-258
[illegible]	K. K. Nair	Bull. Nat. Inst. Sciences India, 27. 25-31, 1964
[illegible] on the [illegible]	P. Santhakumari	J. Anim. Morph. Physiol. 10, [illegible] Dec. 1963
[illegible]	Rosa George	J. Anim. Morph. Physiol. 11, 97-104, 1964

Title	Author	Journal in which published
Regeneration of connective bodies of the neurosecretory system of Jonespeltis	V. K. K. Prabhu	Indian J. Exp. Biol. 2, 5-8, 1964
Supplementary Reproductives (Neotenics) from a colony of *Microcarotermes fletcheri* Holmg. and Holmg. (*Isoptera, Termitidae*)	K. J. Joseph	Curr. Sci. 20th Jan. 1964, 33 No. 2 pp. 54-55
A proposed revision of the classification of fig insects of the families Agaonidae and *Torymidae* (Hymenoptera)	do.	Proc. R. Ent. Soc. Lond. (B) 33 (3-4) pp.63-66, April 1964
A new Genus of Termitophilous Atelurinae (*Thysanura, Nicoletidae*) from India	do.	Insectes Sociaux, Paris, Volume X, 1963 No. 4 pp. 379-386
Further observations on the deep water lobster, Puerulus sewelli Ramadan, off the Kerala Coast	C. V. Kurian	Bull. Dept. Mar. Biol, Oceanogr. Univ. Kerala I, pp.122-127
On the occurrence of the deep water prawn *Penaeopsis rectacutes* (Spence Bate) off the Kerala Coast	do.	Curr. Sci. 33, (7), pp. 216-217
Some observations on the problem of marine timber destroying organisms of the Indian Coasts	N. Balakrishnan Nair	Journal of Fishery Technology I, 1, pp.87 - 97

Title	Author	Journal in which published
[illegible]	N. Balakrishnan Nair	Science Reporter, C.S.I.R. I, 521-530, 1964
Structure and [illegible] of the timber borer, [illegible] Part II, [illegible] & [illegible] system	do.	Journal of Morphology and Physiology, XI, 1, pp 51-59, 1964
[illegible]	C. D. Mc Allister, S. M. Shah & J. D. H. Strickland	Journal of the Fishery Research Board of Canada XXI, 1, pp 159-181
[illegible]	C. T. Samuel	B. S. Dept. Mar. Biol. Oceanogr. Univ. Kerala I, pp 35-44
[illegible] collected by R. V. Conch [illegible] Kerala Coast	do.	Ibid. I, pp 97-121
[illegible] and larvae collected by the Research Vessel "Conch" I. Larvae of [illegible]	K. P. Balakrishnan	Ibid. I, pp 81-96
[illegible]	P. Devarajan	Proceedings of the Malacological Society of London, XXXVI, (1) pp 1-5, 1964
[illegible]	do.	Biological Bulletin, Woods Hole, CCXXVI (1) pp 29-32, 1964

Title	*Author*	*Journal in which published*
On a collection of Umbellula from the Arabian Sea	P. Dinamani	Nytt Magasin for Zoologie, Oslo. XII, pp. 30–34, 1964
Variation in form, orientation and mode of attachment of the Cirriped, *Octolasmis stella* (Ann.) symbiotic on the gills of lobster	do.	Journal of Animal Ecology, London XXXIII. pp. 357–362, 1964
Post-Cyprid stages of *Poecilasma (Temnaspis) excavatum* Hoek	do.	Bull. Dept. Mar. Biol. Oceanogr. Univ. Kerala, I, pp. 1–8
Studies on Indian Copepods—7 on two Calanoid copepods. Ridgewayai typica Thompson & Scott and R. Krishnaswami N. Sp.	A. N. P. Ummerkutty	Ibid. I, pp. 15–28
Physiology of aestivation in the Indian apple snail Pila Part I – Adaptation to natural and environmental conditions	V. R. Meenakshi	Comp. Physiol. Biochem. II, pp. 379–389
On a new lepidomysid from South India	N. Krishna Pillai	Crustaceana, Amsterdam VII, pp. 113–124
Parasitic isopods of the family Cymothoida from South Indian fishes.	do.	Parasitology, Cambridge, LIV, pp. 211–223

Title	Author	Journal in which published
[illegible]	N. Krishna Pillai	J. Bombay University, Vol. 31, pp. 100-112.
On a new [illegible] from the [illegible] waters of the Kerala Coast.	do.	J. Mar. Biol. Assoc. India V, pp. [illegible]
Description of a new species of [illegible]	do.	Ibid. V, pp. [illegible]
[illegible] on South Indian [illegible]	do.	J. Bombay Nat. Hist. Soc. LXI pp. [illegible]
[illegible] Family [illegible]	do.	
[illegible]	do.	Ann. Mag. Nat. Hist. VI, 13.
[illegible]	do.	Bull. Dept. Mar. Biol. & Oceanogr. Univ. Kerala I, pp. 9-14.
[illegible]	K. G. Padmanabhan	Ibid. I, pp. [illegible]
[illegible]	P. A. John	Helgol. Wiss. Meeresunters. Hamburg XI, pp. [illegible]
[illegible]	P. J. Thomas	Bull. Dept. Mar. Biol. Oceanogr. Univ. Kerala, I, pp. [illegible]
[illegible] by the Research [illegible] Kerala Coast [illegible]	D. Susamma Abraham	Ibid. I, pp. [illegible]

Title	*Author*	*Journal in which published*
A redescription of *Papulina brevicauda* M.S. Wilson (copepoda: caligoida) with observations on the genus Diphyllogaster Brain	N. Krishna Pillai & K. G. Padmanabhan	J. Bombay Univ., Vol. 31, pp. 91–99.
Kerala Samskrta Sahitya Darpana	A. G. Krishna Warrier	Visvasamskrta, March 1964
A new angle on the problem of unreality in Advaita	do.	Prabuddha Bharat, March 1964
The Philosophy of Radhakrishnan (6 articles)	do.	Mathrubhumi, Calicut, July 1964
Saubhagya Laksmi Upanisad	do.	Adyar Bullettin.
Some less known facts relating to Swati Tirunal	S. Venkitasubramonia Iyer	Journal of Music Academy, Madras. Keralabhushanam Annual, 1964
Bhashayude Pitavu	C. J. Chacko	
George Mathan	do.	Malayala Manorama, October, 1964
The importance of Metre in Poetry	P. S. Velayudhan Pillai	Grandhalokam, January 1964
Natakangalude Lokam	V. Subramonia Sarma	University Youth
Mappila songs	K. B. Mohammed Hassan	Kerala Islamic Souvenir
Arabic Literature, Hansa Language	do.	Kaumudi weekly, November 1964
Hindi aur Malayalam me anevale tatsam	M. Easwari	
Sabdon ka tulanatmak adhyayan		
Bihari aur unki kavita	do.	

Title	Author	Journal in which published
[illegible]	V. K. Hari[illegible] Unnithan	
[illegible]	N. P. Viswanatha Iyer	
[illegible]	do.	
[illegible]	do.	
[illegible]	do.	
[illegible]	do.	
[illegible]	A. Chandrasekharan	
[illegible]	V. K. H. Unnithan	
	(b) Affiliated Colleges	
[illegible]	K. Gopalan	Technology, P 47 Vol 12, 1974
[illegible]	P. J. Geevarghese	Acta Medica [illegible]
[illegible]	A. Venugopalan	Kerala Vet.
[illegible]	P. C. George	Kerala Vet.
[illegible]	P. K. Abdulla	Kerala Vet.
[illegible]	M. Krishnan Nair, A. Rajan & C. G. Sivadas	Kerala Vet.

Title	*Author*	*Journal in which published*
Studies on the Nutritive value of certain unconventional feeds of special importance to Kerala	A. Ramakrishnan & P. Janardanan	Kerala Vet.
Tamarind Seed, Rubber Seed and Tapioca Leaf	T. R. Sankunny, R. Ramakrishnan & Kunjukutty	Kerala Vet.
Infection with Besnoitia in chicken in India	C. G. Sivadas	Current Science, Indian Institute of Science, Bangalore
Experimental Leptospirosis in calves	P. K. Abdulla	Kerala Vet
A case of Oestophagosele in a Bullock	K. P. D. Nair	do.
Ranikhet Disease	B. R. Krishnan Nair	do.
A case of Granulosa Cell Tumour	M. Kannankutty & T. Sreedharan	Indian Journal of Pediatrics, 31, 41-45 1964.
Some observations on Biochemical Properties and Virulence of *C. diphtheriae* isolated in Lucknow	M. Kannankutty, S. P. Gupta & N. P. Gupta	Indian Journal of Medical Research, 1964
Some observations on Diazo test in Typhoid and other fabrile conditions	M. Kannankutty & T. Sreedharan	Indian Medical Review, 1964
Potentiation of Paraldehyde Hypnosis by Tolbutamide	K. Sanu Iyer	The Journal of the Association of Physiologists and Pharmacologists of India, January, 1964

Title	Author	Journal and when published
[illegible]	K. [illegible] Iyer	[illegible], January 1964
[illegible] Ovaries, [illegible]	S. Natarajan	Lancet, P. 1310, June 1964
[illegible]	K. [illegible], M. Ramanatha Menon & P. Kumara Pillai	Madras Agricultural Journal, 51 [illegible], 1964
[illegible] of Kerala	V. Gopinathan Nair & P. Kumara Pillai	Madras Agricultural Journal, 51 [illegible] 322-325, 1964
[illegible]	N. S. Menon & S. [illegible]	International Rice Commission News letters, Vol. XIII No. 1 of March, 1964
[illegible]	N. S. Menon	Bulletin of the National Institute of Sciences of India No. 26, 1964
[illegible]	P. R. [illegible] & N. S. Menon	Fertiliser News, Vol. 9 No. 6, June 1964
[illegible]	N. M. Antony & [illegible] Thomas	[illegible] Spl. [illegible] No. 33, [illegible]
[illegible]	K. [illegible]	[illegible]

Title	*Author*	*Journal in which published*
Organisational Pattern of Education in Kerala	K. Kumaraswami Pillai	Education, March 1964
Professional Preparation of Teachers in Mathematics		
Part I	do.	Education, June 1964
Part II	do.	Education, July 1964
A Plea for Parent-Teachers Organisation		
Part I	do.	Journal of the Mysore State Education Federation, June, 1964
Part II	do.	do. July, 1964
An Investigation regarding the selection of a special subject for the B.Ed. course	do.	do. November 1964
Mathematics Club	do.	Education, November 1964
Prices and Production	C. Narayanan	Kerala Sandesh
Inflation	do.	Malayalarajyam
Save for yourself and the country	do.	Light weekly

Title	*Author*	*Journal in which published*
Kerala's [illegible]	C. Narayanan	Mathrubhumi
Kerala's [illegible]	do.	Malayalarajyam
Aspects of the Fourth Plan	do.	Mathrubhumi
The Industrial Potential of Kerala	do.	Planning and Commerce
South Kerala [illegible]	do.	Calicut District Chamber of Commerce Souvenir
[illegible]	K. C. Peter	Mathrubhumi Weekly
[illegible]	Sukumar Azhikode	Mahatmaji Souvenir, 1964
[illegible]	do.	Grandhalokam, October 1964
[illegible]	do.	Mangalodayam Annual 1964

(ii) Books

Title	*Author*
(a) University Departments	
Political Theory of Ancient India	John W. Spellman
Constitutional Experiments in Kerala	R. Ramakrishnan Nair
Modern One-Act Plays	M. Manuel
Women in English from Milton to Wordsworth	K. P. Karunakara Menon
Sahitikataksam	P. K. Narayana Pillai
Arivinte Kanikal	C. J. Chacko
Yugacharyan	V. Subramonia Sarma
Thamizhmozhi Cinthanaigal	M. Elayaperumal
Ilakkiyakkatturaikal	S. V. Subramanian
(b) Affiliated Colleges	
Elements of Economics	C. Narayanan
Economic Planning in Under-developed Countries.	do.
Algebra for Pre-degree Class	S. Parameswaran
A Text-book of Pre-degree Chemistry	A. O. Thomas
Pre-degree Zoology	S. Parameswara Iyer
Modern Engineering Chemistry	A. O. Thomas
Puthen Veedu	Hebzeibah Jesudasan
Anthi Mayangumpol- A Collection of Lyrics	P. Karunakaran Achari

CHAPTER VIII

CONGRESSES AND CONFERENCES

The Vice-Chancellor continued to be the representative of the University on the Inter-University Board of India.

On the invitation of the Commonwealth Education Liaison Committee, the Vice-Chancellor participated in the third Commonwealth Education Conference held at Ottawa from 21st Au[illegible] September 1964 as a special guest. At the Conference he delivered one of the two key note addresses, the subject being "The Commonwealth Scholarship and Fellowship Plan". The other key note address was delivered by Sir Willis Jackson, F. R. S., Head of the Department and Professor of Electrical Engineering, Imperial College of Science and Technology, London.

During his sojourn in America the Vice-Chancellor visited Howard University, Iowa State University and the University of Michigan. Further, he attended meetings of a Study Commission on Education at Berlin in Germany. In New York he addressed the Asia Society at a reception held in his honour. He also met the President and the members of "Education and World Affairs" in New York.

The Vice-Chancellor attended the Annual Meeting of the Inter-University Board of India held at Poona on 21st and 22nd December 1964.

Shri A. M. N. Chatur, Registrar of the University, has been invited by the State Department of the Government of the United States of America to visit the States on a grant under their Educational and Cultural Exchange Programme to observe the administration of various universities in the States. Shri Chatur has been permitted to accept the invitation and he proposes to visit the States in April, 19[illegible].

Prof. V. R. [illegible], Head of the University Department of [illegible], was invited by the Madras University to deliver the [illegible] Krishnaswami Aiyar [illegible] Endowment Lectures for [illegible]. He delivered the lectures on 2[illegible] and 2[illegible] February, 19[illegible] [illegible] Local Government in India".

A [illegible] "[illegible] of Education [illegible] Reconstruction" [illegible] University by Dr. [illegible], Professor and Head of the [illegible] Department of Education, in February, 19[illegible].

1. Seminar on Democracy and Education

With the financial aid of the University Grants Commission an All India Seminar on 'Problems of Democracy in India and the Relationship of Democracy to Education, was conducted by the University at Trivandrum in January 1964. Dr. V. K. Sukumaran Nayar, Head of the University Department of Politics, was the Convener. About forty political scientists, sociologists and educationists from various universities participated in the seminar.

The seminar was inaugurated by Shri V. V. Giri, the Chancellor of the University. The Seminar had seven sessions and considered various aspects of the general problem under discussion. Shri R. Sankar, Pro-Chancellor, Prof. Samuel Mathai, Vice-Chancellor, and Prof. V. K. N. Menon, former Vice-Chancellor of the University, presided over a session each. All the members of the teaching staff of the Departments of Politics and Education participated in the Seminar as delegates. The following persons contributed papers on the subjects noted against each:-

	Name	Subject
1.	Dr. V. K. Sukumaran Nayar, Reader and Head of the University Department of Politics.	(i) National values and the Educational System in India (ii) Role of the State in Higher Education in India
2.	Dr. N. P. Pillai, Dean, Faculty of Education, & Head of the Department of Education.	Liberal Education and Democracy
3.	Dr. K. Raghavan Pillai, Curator, University Manuscripts Library.	The Place of Traditional Values in Democratic Education in India
4,	Dr. N. Parameswaran Nair, Lecturer, University Department of Politics.	Indian Universities and the new Elite
5.	Dr. A. T. Markose, Professor and Head of the University Department of Law.	Relation of Teaching Methods to Democracy

2. Seminar on Student Personnel Services

In collaboration with the United States Educational Foundation in India, the Department of Psychology conducted a Seminar on Student Personnel Services in February, 1964. Dr. L. I. George, Head of the University Department of Psychology, acted as Convener.

The Vice-Chancellor presided over the inaugural session. Principals and teachers of several colleges participated in the seminar. The following four American specialists presented papers:

1. Dr. James B. Klee,
   Associate Professor of Psychology,
   Brandeis University.

2. Dr. Thomas C. Schreck,
   Assistant Dean of Students,
   Indiana University.

3. Dr. [illegible] L. Thornton,
   Associate Professor of Psychology,
   Grinnell College.

4. Dr. Joseph D. Dameron,
   Associate Professor of Education,
   Southern [illegible] University.

To meet the participants the Vice-Chancellor was "At Home" on 11th February, 1964.

The seminar recommended that each college in the State should have at least one student personnel worker and the Department of Psychology should organise a co-ordinating committee composed of representatives from various University Departments, University Employment Bureau, Youth Welfare Department, University Health Centre, Student Organisations and affiliated colleges for the implementation of student personnel services. Other recommendations included a survey of student needs, a training programme for personnel workers, [illegible] [illegible] should be [illegible] by the Department of Psychology and effective [illegible] programme.

3. Seminar on "Recent Trends in the Study of Political Science"

An All Kerala Seminar on "Recent Trends in the Study of Political Science" was organised by the University Department of Politics from 25th to 27th May, 1964. Dr. V. K. Sukumaran Nayar, Head of the University Department of Politics, was the Director of the seminar. The seminar was inaugurated by the Vice-Chancellor.

Teachers in Politics from a number of colleges participated in the seminar. The following staff of the University Department of Politics contributed papers on the subjects noted against each:

	Name	Subject
1.	Dr. V. K. Sukumaran Nayar (Reader & Head of the Department)	Recent Trends in the Study of Comparative Government
2.	Dr. N. Parameswaran Nair (Lecturer)	(i) Trends in the Study of Political Behaviour
		(ii) Teaching of Political Theory in Indian Universities
3.	Shri R. Ramakrishnan Nair (Lecturer)	Recent Trends in the Study of International Relations
4.	Dr. N. R. Visalakshi (Lecturer)	Recent Trends in Public Administration
5.	Shri K. Sukumaran Nair (Research Assistant.)	Teaching of Civics

Teachers of Political Science from colleges in Kerala who assembled in the University Convocation Hall on 27th May 1964 formed "The Kerala Academy of Political Science" for encouraging study and research in Political Science.

4. Research Seminar on "Raman and Infrared Spectroscopy"

A research seminar on "Raman and Infrared Spectroscopy" sponsored by the University Grants Commission was conducted in the Maharaja's College, Ernakulam, from 15th to 17th June, 1964. Dr. K. Venkateswarlu, Professor and Head of the University Depart-

Prof. S. Bhagavantham, Scientific Adviser to the Defence Minister, Government of India, inaugurated the seminar. Prof. Samuel Mathai, Vice-Chancellor, presided. About 55 delegates participated in the seminar.

The following staff and research fellows of the University Department of Physics presented papers on the subjects noted against each:—

(i) Dr. K. Venkateswarlu (Professor)	Vibration of Polyatomic Molecules
(ii) Shri C. Purushothaman (Lecturer)	Potential Constants of CH[illegible] and Si[illegible]
(iii) Dr. S. Mariam (Research Fellow)	Intensity Studies in Raman Effect
(iv) Dr. K. V. Rajalakshmi (Research Fellow)	Mean Amplitudes of Vibration of Polyatomic Molecules
(v) Smt. V. Malathy Devi (Research Fellow)	Potential constants of [illegible] of XY6 type
(vi) Smt. Mariamma P. Mathew (Research Fellow)	Characteristic bond [illegible] force constants

5. Seminar on Hindi for College Teachers

Under the auspices of the University, the University Department of Hindi, Ernakulam, conducted a seminar on Hindi for college teachers from 23rd to [illegible] August, 19[illegible] with a U. G. C. grant. [illegible] Chandrahasan, Head of the University Department of Hindi, was the Director of the seminar.

The seminar was inaugurated by Shri Bhakt Darshan, Deputy Minister of Education, Government of India, on 23rd August [illegible]. Shri K. A. Damodara Menon, the then Kerala Minister of [illegible], presided over the inaugural meeting. Hindi teachers [illegible] the University and [illegible] the seminar took part in the seminar. [illegible] organisations and [illegible] There was a very lively [illegible]. The [illegible]

sessions were -

(i) Common Script for India

(ii) A Standard Style for Hindi

(iii) Grammar Problem of Hindi

(iv) Development of Hindi as a National Language

(v) Ways and Means of developing Hindi and Malayalam literatures by comparative study.

The valedictory function was held on 30th August, 1964 when Shri Sankaradasan Thampi, Principal, Law College, Ernakulam, presided and Pandit Devadoot Vidyarthi spoke.

6. Seminar for Teachers of English

Under the auspices of the University Institute of English and with financial aid from the U.G.C., a Seminar for Teachers of English at the Pre-degree level was held at the M.L.A. Quarters, Trivandrum, from 6th to 13th October, 1964. It was organised for the benefit of English, teachers of the various affiliated colleges, of whom some fifty three attended. Mr. G. W. Avery of the British Council, Madras Dr. R. N. Ghosh, Central Institute of English, Hyderabad, Mr. Sam Dorairaj, British Council, were some of the distinguished educationists from outside who participated in the seminar.

7. Refresher Course for Pre-degree teachers of Mathematics

Under the auspices of the Kerala Mathematical Association a refresher course for Mathematics teachers of the two year Pre-degree course was held at the C. M. S. College, Kottayam, in September, 1964.

A grant of Rs. 1,000/- was paid by the University Grants Commission to the Association in this connection.

The course aimed at providing an opportunity for the teachers to exchange their views and to have an orientation in their field.

8. Seminar on Post-graduate Teaching of Malayalam

A Seminar on post-graduate Teaching of Malayalam was organised by the University Department of Malayalam at Trivandrum from 27th to 31st December, 1964. Dr. P. K. Narayana pillai, Professor and Head of the Department, was the Director of the Seminar.

Members of the Boards of Studies in Malayalam and [illegible] teachers of Post-graduate Departments in the affiliated colleges participated in the seminar. Dr. N. P. [illegible], Professor and Head of the University Department of Education, presented a paper on the structure and functions of post-graduate studies. At the seminar, resolutions were passed recommending the reorganisation of the post-graduate course and preparation of text books for the course. The seminar also recommended to modify the present M. Litt. course as a research-cum-examination course. A workshop for the production of books in Malayalam on science, technology and humanities was also suggested at the seminar.

In connection with the seminar a symposium on "Mother tongue and Higher Education" was organised on 3[illegible] December, 19[illegible].

9. Annual Conference of the Indian Academy of Applied Psychology

During the year the [illegible] annual conference of the Indian Academy of Applied Psychology on "Counselling and Guidance" was held under the joint auspices of the University and the University Grants Commission in the University Convocation Hall. The Vice-Chancellor inaugurated the conference. The opening session was presided over by Dr. S. P. Adinarayan, Professor of Psychology, Annamalai University. Eighteen papers were read at [illegible] sessions spread over three days. About [illegible] delegates attended the conference.

The University Department of Psychology organised a Psychology Exhibition in connection with the conference at the University College, Trivandrum, and it was largely attended.

10. Summer School of Linguistics

Under the joint auspices of the University and the Linguistic Society of India, a Summer School of Linguistics was organised at Trivandrum from [illegible] to [illegible]. It was [illegible] financed by the University Grants Commission. Dr. [illegible], Head of the University Department of Linguistics, was the Director of the School. The following were the [illegible] of the Summer School:

(a) To impart [illegible]

(b) To [illegible]

(c) To [illegible]

The school was inaugurated by Shri V. V. Giri, Chancellor of the University. Nearly forty faculty members drawn from the various Indian Universities took part in the School. About 150 registrants, mostly college teachers from different parts of India, participated in the School. This was the first time that a Summer School of this kind was held in Kerala. The valedictory address was delivered by the Vice-Chancellor.

11. Summer Course in Advanced Mathematics

Under the auspices of the University, a three weeks' Summer Course in Advanced Mathematics, for the benefit of teachers of Mathematics at the post-graduate level in affiliated colleges was conducted in the University Department of Mathematics and Statistics at Trivandrum in May, 1964. Dr. (Miss) Aleyamma George, Head of the Department, was the Convener of the course. Dr. V. S. Krishnan of the University of Madras and Dr. P. V. Abdurahiman of the Presidency College, Madras, delivered lectures. Sixteen teachers from various colleges affiliated to the University participated in the course.

12. Summer Course (Advanced) for Statisticians

The Indian Statistical Institute, Calcutta, accepted the invitation of the University to conduct the fourth Summer course for Statisticians in the University Department of Mathematics and Statistics, Trivandrum. Dr. (Miss) Aleyamma George, Professor of Statistics, was the Convener of the course. The course held from 4th May to 6th June, 1964. Thirty five university teachers and research fellows and a few representatives of the State Statistics Department and the University Department of Mathematics & Statistics attended the course.

13. Summer Institute of Biology

A Summer Institute of Biology for the benefit of university and college teachers was organised by the University from 9th June 1964 to 15th July, 1964. The institute was sponsored by the University Grants Commission with the financial and technical assistance of the United States Agency for International Development (U. S. A. I. D). The institute aimed to provide a significant opportunity for teachers of colleges to find inspiration and stimulation of extended personal contact with other teachers in the field. Prof. A. Abraham, Head of the

Department of Botany and Dean, Faculty of Science, was the Director of the Institute and Dr. K. K. Nayar, Head of the University Department of Zoology, acted as the Joint Director.

The Institute was inaugurated by Shri V. V. Giri, the Chancellor of the University. Fifty teachers of Botany and Zoology selected from the eight South Indian universities participated in the Institute. A number of outstanding Botanists and Zoologists gave lectures, demonstrations and practicals in the Institute which were of immense benefit to the participants to make their knowledge up to date in the life sciences and to initiate them to the methodology of research. Besides lectures and practicals, there were study tours to Cape Comorin, Kovalam, Veli, Thekkady, Cochin and Ponmudi. There were a few popular lectures and entertainments. A few biological films were also shown.

The valedictory function was presided over by Shri R. Sankar, Pro-Chancellor of the University, at which course certificates were issued to the participants.

A list of persons who attended the various congresses, conferences and seminars other than those referred to above as representatives of the University/Government/Managements of private colleges, is given below:-

Conference	*Venue*	*Date*	*Delegate*	*Designation*
17th Annual Conference of the Indian Society of Agricultural Statistics	Jaipur	January, 1964	Dr. (Miss) A. George	Professor and Head of the University Department of Mathematics and Statistics, Trivandrum.
26th International Congress of Orientalists	New Delhi	January, 1964	1. Dr. P. K. Narayana Pillai	Professor and Head of the University Department of Malayalam, Trivandrum.
			2. Dr. V. I. Subramoniam	Reader, University Department of Tamil, Trivandrum.
			3. Dr. K. Raghavan Pillai	Curator, University Manuscripts Library, Trivandrum.
			4. Dr. A. G. Krishna Warrier	Reader & Head of the University Department of Sanskrit, Trivandrum.
Conference of Honorary Directors of Extension Services	Bangalore	January, 1964	Rev. Fr. Isidore M. Vadakkan	Principal, St. Joseph's Training College, Mannanam.
Conference of Co-ordinators of Extension Services	Bangalore	January, 1964	Shri N. C. Mathew	Lecturer, St. Joseph's Training College, Mannanam.
Annual Conference of the Indian Academy of Paediatrics	Poona	January, 1964	Dr. Omana Mathew	Professor, Medical College, Trivandrum.

Conference	Venue	Date	Delegate	Designation
[illegible] the Medical Colleges [illegible]		January-February, 1968?	Dr. M. Thangavelu	Principal, Medical College, Trivandrum.
[illegible]	Poona	February, [illegible]	Rev. Fr. Xavier Kanamparath	Principal, St. Albert's College, Ernakulam.
[illegible] Conference of [illegible]	Amritsar?	February, [illegible]	Dr. K. Mahadevan Pillai	Professor of Radiology, Medical College, Trivandrum.
[illegible]	Secunderabad?	February, [illegible]	1 Dr. M. Thangavelu	Principal, Medical College, Trivandrum.
			2 Dr. K. P. Joseph	Professor, Medical College, Trivandrum.
			3 Dr. Ayesha G[illegible]	Asst. Professor, Medical College, Trivandrum.
			4 Dr. Betty Mathew?	Demonstrator, Medical College, Trivandrum.
[illegible]	Madras	February, [illegible]	Dr. O. K. W[illegible]	Associate Professor of Medicine, Medical College, Trivandrum.

Conference	*Venue*	*Date*	*Delegate*	*Designation*
Annual Conference of the Indian Association for the Advancement of Medical Education	Madras	February, 1964	Dr. R. Ananthanarayan	Principal, Medical College, Calicut.
Conference of Principals of Private Colleges that participated in the programme of Danforth Indian Fellowships (U. S. A.)	Bombay Madras	March 1964	Shri N. T. Madhavan Nambiar	Principal, Guruvayurappan College, Calicut.
Workshop Conference on Reproductive Biology	New Delhi	March, 1964	Dr. K. K. Nayar	Reader and Head of the University Department of Zoology, Calicut.
Seminar on some aspects of Plankton Research – organised by the U.G.C. for advanced study in Marine Biology	Porto Novo	March, 1964	1. Dr. C. V. Kurian	Reader and Head of the University Department of Marine Biology and Oceanography, Ernakulam.
			2. Shri N. M. Shah 3. Shri K. P. Balakrishnan	Lecturers, University Department of Marine Biology and Oceanography, Ernakulam.

Conference	Place	Date	Delegate	Designation
[illegible]	[illegible]	[illegible]	1. Smt S. A. Vasanthan	Professor of English, Sree Narayana College, Quilon.
			2. Sr. Concepta	Professor of English, St. Teresa's College, Ernakulam
			3. Sr. Cleopatra	Lecturer in English, St. Mary's College, Trichur
			4. Smt P. K. G. Vijayaram	Lecturer in English, St. Joseph's College, Devagiri.
[illegible]	[illegible]	[illegible]	Sr. Cleopatra	Lecturer in English, St. Mary's College, Trichur
[illegible]	[illegible]	[illegible]	1. Dr. A. Abraham	Dean, Faculty of Science, University of Kerala
			2. Dr. K. K. Nair	Reader and Head of the University Department of [illegible], Calicut.

Conference	Venue	Date	Delegate	Designation
4th Southern Regional Health Ministers' Conference	Trivandrum	April, 1964	1. Dr. M. Thangavelu	Principal, Medical College, Trivandrum.
			2. Dr. K. P. Joseph	Professor, Medical College, Trivandrum.
			3. Dr. K. Madhavankutty	Professor, Medical College, Trivandrum.
			4. Dr. R. Anantha-narayanan	Principal, Medical College, Calicut.
Conference, Seminar and Silver Jubilee Celebrations of the Entomological Society of India	New Delhi	April, 1964	Dr. M. R. G. Nair	Professor, Agricultural College, Vellayani
Representative Principals Conference of the U. G. C. Seminar on English	New Delhi	May, 1964	1. Shri V. Gopalan Nair	Principal, Government College, Kasaragod.
			2. Sr. M. Digna	Principal, St. Teresa's College, Ernakulam.
Referesher Training Seminar in Soil Science and Agri-cultural Chemistry	New Delhi	May, 1964	Shri V. Gopalaswamy	Lecturer, Agricultural College, Vellayani.

Conference	Venue	Date	Delegate	Designation
[illegible] of Engineering Geology	Roorkee	May, 1968	Shri M. Sabha	Lecturer in Geology, T. K. M. College of Engineering, Quilon.
Indo American [illegible] Congress	Hyderabad	June, 1968	Sr. Cleopatra	St. Mary's College, Trichur.
[illegible] Cochin	Porto Novo	June, 1971	1. Shri A. N. P. Ummerkutty	Lecturer University Department of Marine Biology and Oceanography, Ernakulam
			2. Dr. N. Krishna Pillai	Research Officer, Marine Biology Laboratory and Aquarium, Trivandrum.
[illegible] Training Colleges	Mysore	[illegible]	1 Dr. N. P. Pillai	Professor and Head of the University Department of Education, Trivandrum
			2 Rev. Fr. [illegible] M. Vadakkan	Principal, St. Joseph's Training College, Mannanam
			3 Rev. Fr. T. T. Joseph	Principal, St. Thomas Training College, Palai
			4 Sr. [illegible]	Principal, St. Joseph Training College for Women, Ernakulam.

Conference	Venue	Date	Delegate	Designation
Meeting of Representatives of [illegible] Ayurveda [illegible]	New Delhi	June, 1964	Shri M. N. Kesava Pillai	Principal, Ayurveda College, Trivandrum.
Regional Seminar on [illegible] Training	Hebbal	June, 1964	Shri A. M. Thampy	Lecturer, Agricultural College, Vellayani.
Summer Institute for College Teachers—organised by the U. G. C. (i) Mathematics	Madras	June-July 1964	1. Shri P. L. Daniel	Professor, Mar Athanasius College, Kothamangalam.
			2. Shri David Jayakar Daniel	Lecturer, Union Christian College, Alwaye.
(ii) Physics	[illegible]	do.	1. Sr. Maria	Professor, St. Teresa's College, Ernakulam.
			2. Dr. K. P. George	Lecturer, Union Christian College, Alwaye.
			3. Shri K. A. Mathew Mappila	Lecturer, [illegible] College, [illegible]
(iii) Chemistry	Hyderabad	do.	1. Shri Abraham Philip	Lecturer, Union Christian College, Alwaye.
			2. Shri T. N. Sankara Pillai	Lecturer, Sree Sankara College, Kalady.
			3. Sr. [illegible]	Lecturer, St. Teresa's College, Ernakulam.

Conference	Venue	Date	Delegate	Designation
Engineering Summer School (Southern Region)	Coimbatore	June–July 1964	1. Shri R. Govinda Menon	Professor, N.S.S. College of Engineering, Palghat.
			2. Shri M. R. Sreedharan Nair	Asst. Prof., College of Engg., Trichur.
			3. Shri C.M. Neelakantan Namboodiripad	Lecturer, N.S.S. College of Engineering, Palghat.
Catholic Students Union Seminar	Changana-cherry	July, 1964	Sr. Loretta	Lecturer, St. Joseph's College, Irinjalakuda.
Symposium on Science and Nation – organised by the Association of Scientific Workers of India	New Delhi	July, 1964	1. Dr. A. Abraham	Dean, Faculty of Science, University of Kerala.
			2. Dr. C. K. N. Nair	Dean, Faculty of Agriculture, University of Kerala. (Principal, Agricultural College, Vellayani)
World Conference of Organisation of Teaching Profession	Bankok	July, 1964	Rev. Fr. Xavier Kaniampurath	Principal, St. Albert's College, Ernakulam.
Short–term Specialist Course in Air Conditioning and Refrigeration	Roorkee	July, 1964	Shri P. N. Hashim	Lecturer, T. K. M. College of Engineering, Quilon.

Conference	Venue	Date	Delegate	Designation
[illegible]	[illegible]	[illegible]	1. Shri G. Kesava [illegible]	Lecturer, Sree Sankara College, Kalady.
			2. Shri P. R. Prasanna Kumar	Lecturer, S. N. College for Women, Quilon.
[illegible]	New Delhi	[illegible]	Dr. C. K. N. Nair	Principal, [illegible] College, Vellayani
[illegible]	Bombay	[illegible]	Dr. M. [illegible]	Principal, Medical College, Trivandrum.
[illegible]	Hyderabad	[illegible]	Shri K. C. Chacko	Principal, College of Engineering, Trivandrum.
[illegible]		[illegible]	Dr. P. G. K. Panikar	Reader, University Department of Economics, Trivandrum (Presented a paper on "Role of Agricultural Development in Economic Growth")
[illegible]	[illegible]	[illegible]	Dr. (Miss) A. George	Professor and Head of the University Department of Mathematics and Statistics
[illegible]	[illegible]	[illegible]	Smt. A. Rema	Lecturer, S. N. College for Women, Quilon.
			[illegible]	Lecturer, St. Teresa's College, Ernakulam.

Conference	*Venue*	*Date*	*Delegate*	*Designation*
Workshop on Post-graduate Studies in Hindi	Allahabad	October, 1964	Shri A. Chandrahasan	Reader and Head of the University Department of Hindi, Ernakulam.
Seminar of the International Brain Research Organisation	New Delhi	October, 1964	1. Dr. K. R. Pandalai	Professor, Medical College, Trivandrum.
			2. Dr. G. Santhakumari	Asst. Professor, do.
Kalidasa Samaroh	Ujjain	November, 1964	Shri S. Venkitasubramonia Iyer	Lecturer, University Department of Sanskrit, Trivandrum. (Read a paper on 'Meghasandesa tradition in Kerala").
Foreign Students Advisers Meeting	New Delhi	November, 1964	Dr. E. I. George	Reader and Head of the University Department of Psychology, Trivandrum. (Foreign Students' Advisor to the University).
9th Annual Conference of the All India Educational and Vocational Guidance Association	Calcutta	November, 1964	Dr. N. P. Pillai	Professor and Head of the University Department of Education, Trivandrum.

Conference	Venue	Date	Delegate	Designation
[illegible] on Postgraduate Medical Education [illegible] Medical Council [illegible]	New Delhi	November, 19[illegible]	1. Dr. C. O. Karunakaran	Dean, Faculty of Medicine, University of Kerala.
			2. Dr. R. Ananthanarayan	Principal, Medical College, Calicut.
			3. Dr. Vincent D. Baylis	Professor, Medical College, Calicut.
			4. Dr. C. N. Francis	Principal, Medical College, Kottayam.
[illegible] Session of the Indian History Congress	[illegible]	December, 19[illegible]	Sri P. K. Karunakara Menon	Reader and Head of the University Department of History, Calicut
[illegible]	[illegible]	December 19[illegible]	Sri P. K. Karunakara Menon	do.
[illegible]	[illegible]	December 19[illegible]	Dr. L. T. Mathew	Reader, University Department of Economics, Trivandrum. (Presented a paper on "[illegible] Development—Some Observations on [illegible]")

Conference	Venue	Date	Delegate	Designation
[illegible] Congress	Poona	December, [illegible]	Dr. V. I. Subramoniam	Reader and Head of the University Department of Linguistics, Trivandrum.
[illegible] Session of the International Geological Congress	New Delhi	December, [illegible]	Shri K. [illegible] Menon	Reader and Head, the University Department of Geology, Trivandrum
[illegible] Conference of the [illegible] of International Law	New Delhi	December, [illegible]	Shri R. [illegible] Iyer	Principal, Law College, Ernakulam
[illegible]	New Delhi	December, [illegible]	Dr. R. [illegible]	Principal, Medical College, Calicut
[illegible] Conference of the [illegible]	[illegible]	December, [illegible]	Dr. G. [illegible]	Asst. Professor of Physiology, Medical College, Calicut
[illegible] Indian Science Congress	Calcutta	[illegible] December, [illegible]	Dr. R. R. [illegible]	Reader in Mathematics, University Department of Mathematics and Statistics, Trivandrum

CHAPTER IX

RECOGNITION OF EXAMINATIONS AND DEGREES

1. The S.S.L.C. examination of Andhra Pradesh has been recognised as equivalent to the S.S.L.C. examination of the Kerala State for purposes of admission to a course of study in this University.

2. The High School Examination of the Board of High School and Intermediate Education, U. P., has been recognised as equivalent to the S.S.L.C Examination of the Kerala State.

3. The following examinations conducted by the Secondary Education Board, Bangalore, have been recognised as equivalent to the S.S L.C. Examination of the Kerala State:

   (1) Mysore Secondary School Leaving Certificate Public Examination (New Scheme)

   (2) Mysore Secondary School Certificate Examination (Bombay and Karnatak area)

   (3) Mysore S.S.L.C. (Old Scheme)

   (4) Bombay S.S.L.C. for Bombay-Karnatak area

   (5) Madras S. S. L. C. for Madras-Karnatak area

   (6) Hyderabad H.S.C. for Hyderabad-Karnatak area

   (7) Common S.S.L.C. Examination (New Scheme) conducted at the end of Higher Secondary X Standard from May, 1963.

4. The Junior Technical School Certificate Examination conducted by the Government of Kerala has been recognised as equivalent to the S.S.L.C. Examination of the Kerala State for purposes of admission to the Pre-degree course.

5. The following French examinations have been recognised as equivalent to the examinations of this University noted against each:

French Examination	*Corresponding Examination*
(i) Brevet D'Etudes Premiere Cycle (B.E.P.C.) and Brevet Elementaire (B.E.)	Matriculation /S.S.L.C. State Education Dept.)
(ii) Baccalaureat I	Higher Secondary/Pre-University

(iii) Baccalaureat II — Intermediate/1st year of the 3 year degree course (i.e. admission to the 2nd year of the 3 year Degree Course)

(iv) Baccalaureat II with English as Second language — B.A. with French language and Literature as main Subject

(v) Propedeutique Diploma — B.A., B.Sc.

(vi) Licence es Letters — M.A.

(vii) Licence es Science — M.Sc.

6. The Ph. B. degree of the Papal Athenaeum, Poona has been recognised as equivalent to the old Intermediate Examination of this University.

7. The B. D. degree of the Lateran University, Rome, has been recognised as equivalent to the Pre-University Examination of this University.

8. The B. E. and M. E. degree Examinations of the Indian Institute of Science have been recognised as equivalent to the B. Sc. (Engg.) and M. Sc. (Engg.) Degree examinations respectively of this University.

9. The following degree examinations of other Universities/Recognised Institutions have been recognised on a reciprocal basis, as equivalent to the degree examinations of this University noted against each:-

Degree Examinations of other Universities or Recognised Institutions	*Corresponding Degree Examinations of this University*
1. Andhra University	
B.Sc. (Agri.) (New Regulations)	B.Sc. (Agri.)
2. Annamalai University	
(i) M.O.L.	M.A.
(ii) M.Litt. (Music)	M.Litt. (Music)
3. Banaras University	
(i) LL.M.	M.L.
(ii) M.A. (Hindi)	M.A. (Hindi)
(iii) B.E. (Engg.) (Civil, Mechanical and Electrical)	B.Sc. (Engg.) (Civil, Mechanical and Electrical)

Degrees/Examinations of other Universities/ Recognised Institutions	*Corresponding Degrees Examinations of this University*
(iv) M. Sc. in Electrical Machine Design	M. Sc. (Engg.) Electrical Machine Design
4. *Bhagalpur University*	
(i) M. Com.	M. Com.
(ii) B. L.	B. L.
(iii) B. Sc. (Agri.)	B. Sc. (Agri.)
(iv) M. Sc. (Agri.)	M. Sc. (Agri.)
5. Bombay University	
B. Ed. (New Scheme)	B. Ed.
6. Delhi University	
B. Sc. (Honours)	B. Sc. (Pass)
7. Gujarat University	
M. Sc.	M. Sc.
8. Indore University	
(i) B. A., B. Com. (Two year and Three year)	B. A., B. Com. (Two year and Three year)
(ii) B. Sc. (Three Year)	B. Sc. (Three Year)
(iii) B. Sc. (Engg.)	B. Sc. (Engg.)
(iv) M. B. B. S.	M. B. B. S.
9. Jodhpur University	
(i) Pre-University (Science and Commerce)	Pre-University
(ii) B. Sc., B. Com.	B. Sc., B. Com.
(iii) M. Sc., M. Com.	M. Sc., M. Com.
(iv) B. Ed. (Provided the medium of instruction and examination is English)	B. Ed.
10. Karnatak University	
Pre-University	Pre-University
11. Kashi Vidyapeeth	
Shastri Examination	B. A. Degree Examination

Degrees / Examinations of other Universities / Recognised Institutions	*Corresponding Degrees / Examinations of this University*
12. Kurukshetra University	
(i) B.Sc.	B.Sc.
(ii) M.A. (Hindi, Political Science and Economics)	M.A. (Hindi, Political Science and Economics)
(iii) M.Sc. (Mathematics)	M.Sc. (Mathematics)
(iv) M.Ed.	M.Ed.
13. Madras University	
M.Ed.	M.Ed.
14. Mandalay University	
Intermediate Science	Pre-professional Examination in Medicine
15. Mysore University	
B.Com.	B.Com. (Two Years)
16. Orissa University of Agricultural Technology	
(i) I.Sc. (Agri.) Examination	Pre-professional Examination
(ii) B.V.Sc. and A.H.	B.V.Sc.
17. Osmania University	
B.Ed.	B.Ed.
18. Patna University	
Pre-University Examination	University Pre-University Examination
19. Poona University	
(i) B.Ed.	B.Ed.
(ii) M.Ed.	M.Ed.
20. Punjab University	
(i) Pre-University Examination	University Pre-University Examination
(ii) B.A., B.Sc.	B.A., B.Sc.
(iii) M.A. (English, Economics, History, Political Science, Philosophy and Hindi)	M.A. (English, Economics, History, Political Science, Philosophy and Hindi)
(iv) M.A. (Mathematics)	M.Sc. (Mathematics)
(v) B.Ed.	B.Ed.
(vi) M.Ed.	M.Ed.
(vii) Pre-medical Examination	Pre-professional Examination in Medicine
(viii) M.B.B.S.	M.B.B.S.

	Degrees/Examinations of other Universities/ Recognised Institutions	*Corresponding Degrees/ Examinations of this University*
21.	Punjab University	
	B. Sc. (Home Science)	B. Sc. (Home Science)
22.	Rangoon University	
	(i) Intermediate (Science)	Pre-professional (Medicine)
	(ii) M. B. B. S.	M. B. B. S.
23.	Shivaji University	
	(i) Pre-professional Examination	Pre-professional Examination
	(ii) B. A., B. Sc., B. Com. (Three Year)	B. A., B. Sc., B. Com. (Three year)
	(iii) M. A., M. Sc., M. Com.	M. A., M. Sc., M. Com.
	(iv) B. Ed.	B. Ed.
	(v) LL. B.	B. L.
	(vi) M. Ed.	M. Ed.
24.	Shri Venkateswara University	
	M. B. B. S.	M. B B. S.
25.	U. P. Agricultural University	
	B. V. Sc. and A. H.	B. V. Sc.
26.	Utkal University	
	(i) Pre-professional Examination	Pre-professional Examination subject to the condition that for purposes of admission to the Engineering degree course candidates should have taken Mathematics, Physics and Chemistry as optional subjects.
	(ii) B.A., B.Sc., B.Com. (Three Year)	B.A., B.Sc., B.Com. (Three Year)
	(iii) M.Com.	M.Com.
27.	Vallabhai Vidyapeeth	
	B.Sc.	B.Sc.
28.	Vikram University	
	(i) B.Sc. (Agri.)	B.Sc. (Agri.)
	(ii) M.Sc. (Agri.)	M.Sc. (Agri.)

Institutions recognized as Research Centres

The following institutions have been recognized as research centres for postgraduate research work leading to research degrees of the University :—

1. The Central Coffee Research Institute, [illegible], Mysore State
2. The Central Electro-Chemical Institute, Karaikudi
3. The Atomic Energy Establishment, Trombay, Bombay
4. The Raman[illegible] Institute, Madras
5. The Central Institute of [illegible] Tech[illegible], [illegible]

Exemption from attendance certificate

Exemptions granted to bonafide teachers

A statement showing the class and list of exemptions granted to bonafide teachers from the production of attendance certificate for the various University examinations is given below.

Examination	*Number of bonafide teachers granted exemption during the year [illegible]*
University Entrance	[illegible]
B. A.	[illegible]
B. Sc.	[illegible]
M. A.	[illegible]
M. Sc. (Mathematics)	[illegible]

Other exemptions granted [illegible]

1	Exemption from the production of Annual Certificate of attendance	[illegible]
2	Exemption from the production of attendance certificate in Part II Second Language	[illegible]

CHAPTER X

EXAMINATIONS

The following examinations were held for the First time during the year under report :—

1. First Year Examination in Engineering (Three-Year Course)
2. Third Year Examination in Engineering (Five-year Integrated Course)
3. M.Sc. (Engineering) Previous
4. Certificate Examination in Linguistics
5. Adib-i-Fazil (Urdu) Entrance.

A consolidated statement of the results of the various examinations held during the year under report is given below:

Examination	*No. appeared*	*No. Passed*				*Per-cent-age*
		I Class	*II Class*	*III Class*	*Total*	
January-1964						
B. Sc. Degree Examination in Engineering						
Part I	601	118	266	...	384	63·8
Part II	457	127	213	...	340	74·4
Pre-professional (Transitory)	215	...	...	...	183	85·1
March-April, 1964						
University Previous	29,444	973	4,043	9,442	14,458	49·1
B. A. (Three-Year)						
Second Year Examination						
Part I	2,895	3	78	1,246	1,327	45·8
Part II	2,438	54	144	1,616	1,814	74·4
Part III	2,370	...	...	...	1,887	75·4
Final Year Examination						
Part IV	1,666	32	254	994	1,280	76·8
M. A. (Previous)	476	...	...	...	374	78.5
M. A. (Final)	404	27	154	165	346	85·6
B. Lib. Sc.	25	3	12	10	25	100·0

Examination	Number appeared	Number Passed I Class	II Class	III Class	Total	Percentage
March-April, 1964						
B.Sc. (Three-year)						
Second Year Examination						
Part I	[illegible]	7	[illegible]	[illegible]	[illegible]	[illegible]
Part II	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Part III	[illegible]	—	—	—	[illegible]	[illegible]
Final Year Examination						
Part IV	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
M.Sc. (Previous)	[illegible]	—	—		[illegible]	[illegible]
M.Sc. (Final)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
B.Com. (Three-year)						
Second Year Examination						
Part I	[illegible]	..	[illegible]	[illegible]	[illegible]	[illegible]
Part II	[illegible]	11	[illegible]	[illegible]	[illegible]	[illegible]
Part III						
Group 'A'	[illegible]	..	..	..	[illegible]	[illegible]
Final Year Examination						
Part III						
Groups 'B' & 'C'	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
M.Com. (Previous)	[illegible]	..	..	..	[illegible]	[illegible]
M.Com. (Final)	[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]
M.S.W. (Previous)	[illegible]	—	—	..	[illegible]	[illegible]
M.S.W. (Final)	12	—	12		12	100.0
[illegible]	[illegible]	—	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	..	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
[illegible]						
[illegible]	[illegible]	[illegible]	[illegible]	..	[illegible]	[illegible]

[illegible]

Examination	*Number Appeared*	*Number Passed* *I Class*	*II Class*	*III Class*	*Total*	*Percentage*
March–April, 1964						
Second Year Examination in Engineering	1,117 (whole Examn. 992)	85	264	....	349	35·1
Third Year Examination in Engineering	835	112	295	....	407	49·1
First Year (Three-year Degree) Examination in Engineering	87	....	8	29	37	42·5
M. Sc. (Engineering)						
(i) Hydraulics, Irrigation and Flood Control	10	4	5	....	9	90·0
(ii) Structural Engineering	10	4	4	...	8	80·0
M. Sc. Engineering (Previous)	34	....	...	....	19	55·0
First M. B. B. S. Part I	432	....	....	....	327	75·7
Part II	141	....	105	....	105	74·4
Second M.B.B.S. Part I	210	...	....	....	150	71.4
Part II	245	2	225	....	227	92·6
Final M. B. B. S. Part I	174	....	....	....	101	58·0
Part II	134	....	93	....	93	69·4
First B. D. S.	28	....	....	....	15	53·5
Second B. D. S.	34	....	....	...	19	55·8
Third B. D. S.	14	....	....	...	9	64·3
Final B. D. S.	17	...	....	...	14	82·3
B. Sc. (Agriculture)						
First Year Examination	56	....	...	....	29	51·7
Second Year Examination	57	...	....	...	47	82·4
Third Year Examination	60	3	31	16	50	83·3
First B. V. Sc.	52	2	24	....	26	48·1
Second B. V. Sc.	37	3	19	....	22	59·4
Third B. V. Sc. (New Regulations)	20	5	15	....	20	100·0
(Old Regulations)	27	....	19	...	19	70·0
Final B. V. Sc.	59	....	31	....	31	54·2
First B. A. M.	34	....	....	....	13	38·2

Examination	Number appeared	No. Passed I Class	II Class	III Class	Total	Percentage
March-April, 1961						
Second B. A. M.	28		10		10	35.7
Third B. A. M.	4		1		1	25.0
Fourth B. A. M.	8		2		2	25.0
Final B. A. M.	20		7		7	35.0
Second D. A. M.	1	–				
Third D. A. M.	7	–		1	1	14.2
Final D. A. M.	28		1	[illegible]	[illegible]	[illegible]
Pre-professional Examination	424	106	127	[illegible]	[illegible]	[illegible]
Diploma Examination in English	24		15		15	62.5
Diploma Examination in the Teaching of English	27	2	10	–	12	44.4
Diploma Examination in Social Service	36	–		–	[illegible]	[illegible]
Certificate Examination in Linguistics	14	4	4	1	9	64.2
Vidvan Preliminary						
Malayalam	[illegible]	–		[illegible]	[illegible]	[illegible]
Tamil	62		–	11	11	17.7
Sanskrit	26	–	1	[illegible]	[illegible]	[illegible]
Hindi	255	–	1	[illegible]	[illegible]	[illegible]
Kannada	2	1			1	50.0
Vidvan Final						
Malayalam	416	–	[illegible]	[illegible]	[illegible]	[illegible]
Tamil	12	.	.	[illegible]	[illegible]	[illegible]
Sanskrit	4	..	1	1	2	50.0
Hindi	329	..	1	[illegible]	[illegible]	[illegible]
Kannada	15	4	[illegible]	[illegible]	11	[illegible]
[illegible]						
Entrance	[illegible]	..	..	–	[illegible]	[illegible]
Preliminary	[illegible]	1	11	[illegible]	[illegible]	[illegible]
Final	[illegible]	.	4	[illegible]	[illegible]	[illegible]
[illegible] Entrance	[illegible]	.	.		[illegible]	[illegible]

Examination	No. appeared	No. Passed I Class	II Class	III Class	Total	Per-cent-age
May, 1964.						
B. Sc. Degree Examination in						
Engineering - Part I	203	1	147	...	148	72.9
Part II	93	1	37	...	38	40.8
June, 1964.						
M. L.	10	...	...	2	2	20.0
Diploma Examination in						
Obstetrics and Gynaecology	4	...	...	...	3	75.0
July, 1964.						
Pre-professional (Transitory)	96	...	...	...	63	65.6
September-October, 1964.						
University Previous	13,986	6	26	6,151	6,183	44.2
B. A. (Three-year)						
Second Year Examination						
Part I	1,868	...	...	555	555	29.7
Part II	708	7	16	534	557	78.5
Part III	665	...	...	...	405	60.9
Final Year Examination						
Part IV	331	2	7	199	208	62.8
M. A. (Previous)	62	....	....	....	43	69.3
B. Sc. (Three year)						
Second Year Examination						
Part I	4,118	....	4	1,459	1,463	35.5
Part II	1,026	3	8	741	752	73.3
Part III	797	....	....	....	538	67.5
Final year Examination						
Part IV	1,315	9	69	387	465	35.3
M. Sc. (Previous)	21	...	...	...	7	33.3
B. Com. (Three year)						
Second Year Examination						
Part I	478	...	...	175	175	36.6
Part II	174	1	12	108	121	69.5
Part III						
Group 'A'	152	...	...	...	100	65.8

Examination	No. appeared	I Class	II Class	III Class	Total	Percentage
September-October, 1964						
B. Com.						
Final Year Examination						
Part III						
Groups 'B' & 'C'	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
M. Com. (Previous)	[illegible]	...			[illegible]	[illegible]
B. L.	110	...	1	[illegible]	41	[illegible]
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
B. Ed. (Written)	116		1	[illegible]	[illegible]	[illegible]
First Year Examination in Engineering (whole Exam. [illegible])	[illegible]	...	[illegible]	...	[illegible]	[illegible]
Second Year Examination in Engineering (whole Exam. 213)	[illegible]	...	[illegible]	...	[illegible]	[illegible]
Third year Examination in Engineering (whole Exam. [illegible])	[illegible]		[illegible]		11	[illegible]
Last Year (Three-year Degree) Examination in Engineering (whole Exam. 11)	42	1	[illegible]		[illegible]	[illegible]
B. Sc. (Agriculture)						
First Year Examination	[illegible]	...			[illegible]	[illegible]
Second Year Examination	[illegible]	...		...	[illegible]	[illegible]
Third Year Examination	[illegible]	...		[illegible]	[illegible]	[illegible]
M. Sc. (Agriculture)						
Previous	[illegible]				[illegible]	[illegible]
Final	[illegible]	[illegible]	[illegible]	...	[illegible]	[illegible]
First B. V. Sc.	[illegible]	...	[illegible]	...	[illegible]	[illegible]
Second B. V. Sc.	[illegible]		[illegible]		[illegible]	[illegible]
Third B. V. Sc.	[illegible]		[illegible]	...	[illegible]	[illegible]
Final B. V. Sc.	[illegible]	...	[illegible]		[illegible]	[illegible]
[illegible] Examination	[illegible]	...	[illegible]	[illegible]	[illegible]	[illegible]

Examination		*Number appeared*	*No. Passed*				*Per-cent-age*
			I Class	*II Class*	*III Class*	*Total*	
September-October 1964							
Diploma Examination in German		2	1	...	1	2	100·0
Vidvan Preliminary							
Malayalam		422	....	2	246	248	58·8
Hindi		99	....	....	53	53	53·5
Vidvan Final							
Malayalam		403	...	...	146	146	36.0
Hindi		319	...	2	121	123	38.6
November-December, 1964							
B. Sc. Degree Examination							
in Engineering	Part I	60	1	18	...	19	31.7
	Part II	477	128	283	...	411	86.1
First M. B. B. S.	Part I	170	...	...	...	94	55.3
	Part II	459	16	178	...	194	42.2
Second M. B. B. S	Part I	349	....	....	....	230	65·9
	Part II	172	....	124	....	124	72.0
Final M. B. B. S.	Part I	233	....	....	....	141	60·5
	Part II	167	....	83	....	83	49.7
First B. D. S		13	...	....	....	8	61.5
Second B. D. S.		25	....	....	....	16	64.0
Third B. D. S.		11	...	...	...	9	81.8
Final B. D. S.		24	...	...	...	14	58·3
First B. A. M.		17	...	...	...	13	76.4
Second B. A. M.		17	...	...	...	9	52.9
Third B. A. M.		3	...	...	...	...	...
Fourth B. A. M.		3	...	...	...	2	66.6
Final B. A. M.		14	...	5	...	5	35.7
Second D. A. M.		1	...	...	...	1	100.0
Third D. A. M.		3	...	...	...	2	66.6
Final D. A. M.		15	...	...	...	3	20.0
Certificate Examination in German		14	4	4	1	9	64.3

CHAPTER XI

SCHOLARSHIPS, MEDALS AND PRIZES

The following Scholarships for the year 1964-'65 were awarded during the year.-

1. University Merit Scholarships for the Pre-degree Course.
2. H. H. The Maharaja's Scholarships for the Pre-degree Course.
3. University Merit Scholarships for B. A., B. Sc., and B.Com. Degree Courses.
4. University Merit Scholarships for M. A., M. Sc., and M.Com. Degree Courses.
5. Endowment Scholarships.

A list of the students to whom scholarships, medals and prizes were awarded during the year 1964 is given as Appendix-[illegible]

CHAPTER XII

CONVOCATIONS

The Thirty-ninth and the Fortieth Convocations of the University for conferring degrees were held during the year under report.

Thirty-ninth Convocation

Place : Convocation Hall, University Buildings, Trivandrum.
Date : 29th February, 1964

Shri R. Sankar, Pro-Chancellor of the University, presided.

Degrees conferred	*In Person*	*In absentia*
Master of Arts	7	16
Bachelor of Arts	101	142
Bachelor of Library Science	1	2
Doctor of Philosophy (Science)	1	..
Master of Science	7	23
Bachelor of Science	271	537
Master of Arts (Oriental Studies)	3	12
Bachelor of Arts (Oriental Studies)	13	26
Master of Commerce	..	1
Bachelor of Commerce	21	84
Bachelor of Education	30	145
Bachelor of Laws	23	18
Master of Science (Engineering)	..	6
Bachelor of Science (Engineering)	4	22
Bachelor of Medicine & Surgery	1	9
Master of Science (Agriculture)	..	2
Bachelor of Science (Agriculture)	..	7
Bachelor of Veterinary Science	8	7
	491	1,059

Fortieth Convocation

Place: Convocation Hall, University Buildings, Trivandrum
Date: 19th November, 19[illegible]

Shri V. V. Giri, Chancellor of the University presided

Degrees conferred	In person	In absentia
Master of Arts	41	[illegible]
Master of Social Work	4	[illegible]
Bachelor of Arts (Honours)		[illegible]
Bachelor of Arts	[illegible]	[illegible]
Bachelor of Library Science	[illegible]	[illegible]
Doctor of Philosophy (Science)	1	4
Master of Science	[illegible]	[illegible]
Bachelor of Science (Honours)		[illegible]
Bachelor of Science	[illegible]	[illegible]
Master of Arts (Oriental Studies)	[illegible]	[illegible]
Bachelor of Arts (Oriental Studies)	[illegible]	[illegible]
Bachelor of Arts (Fine Arts)	[illegible]	[illegible]
Master of Commerce	[illegible]	[illegible]
Bachelor of Commerce	[illegible]	[illegible]
Master of Education	[illegible]	[illegible]
Bachelor of Education	[illegible]	[illegible]
Master of Laws	1	[illegible]
Bachelor of Laws	[illegible]	[illegible]
Master of Science (Engineering)	[illegible]	[illegible]
Bachelor of Science (Engineering)	[illegible]	[illegible]
Doctor of Medicine	1	1
Master of Surgery	1	[illegible]
Bachelor of Medicine & Surgery	[illegible]	[illegible]
Bachelor of Dentistry	1	[illegible]
Bachelor of Ayurvedic Medicine	[illegible]	[illegible]
Master of Science (Agriculture)	[illegible]	[illegible]
Bachelor of Science (Agriculture)	[illegible]	[illegible]
Bachelor of Veterinary Science	[illegible]	[illegible]
	[illegible]	[illegible]

CHAPTER XIII

FINANCE AND ACCOUNTS

Contributions

Grants were paid to the Inter-University Board of India, the Association of the Universities of the British Commonwealth and a few other learned bodies and associations.

Grants to Hostels

A statement showing the maintenance grants paid to private hostels during the year 1964 is given below:-

	Name of Hostel	*Amount of grant paid*
		Rs.
	(i) Hostels attached to private Colleges	
1.	Union Christian College, Alwaye	3,975.00
2.	St. Berchmans' College, Changanacherry	7,504.50
3.	C. M. S. College, Kottayam	1,776.00
4.	Sanatana Dharma College, Alleppey	709,50
5.	Mahatma Gandhi College, Trivandrum	1,860.00
6.	Mar Ivanios College, Trivandrum	4,521.00
7.	Sree Narayana College, Quilon	1,966.50
8.	N. S. S. Hindu College, Changanacherry	2,580.00
9.	N. S. S. College, Pandalam	2,260.50
10.	St. Thomas College, Palai	3,150.00
11.	Fatima Mata National College, Quilon	1,905.00
12.	Nirmala College, Muvattupuzha	1,348.50
13.	Sree Sankara College, Kalady	1,170.00
14.	Christ College, Irinjalakuda	4,014.00
15.	Guruvayurappan College, Calicut	3,004.50
16.	Farook College, Feroke	4,890.00
17.	St. Albert's College, Ernakulam	1,498.50
18.	Sree Kerala Varma College, Trichur	1,093.50
19.	St. Thomas College, Trichur.	1,680.00
20.	Assumption College, Changanacherry	2,490.00

Name of Hostel	[illegible]
21. N. S. S. College for Women, Trivandrum	1,125 00
22. St. Joseph's College for Women, Alleppey	[illegible]
23. Providence Women's College, Calicut	[illegible]
24. Little Flower College, Guruvayoor	[illegible]
25. St. Teresa's College, Ernakulam	[illegible]
26. St. Mary's College, Trichur	[illegible]
27. St. Joseph's College, Devagiri	[illegible]
28. Sacred Heart College, Thevara, Ernakulam	[illegible]
29. N. S. S. Training College, Changanacherry	[illegible]
30. St. Joseph's Training College, Mannanam	[illegible]
31. T. K. M. College of Engineering, Quilon	[illegible]
(ii) Private Hostels	
1. Loyola Catholic Hostel, Trivandrum	[illegible]
2. L. M. S. Wills Hostel, Trivandrum	[illegible]
3. Y. M. C. A. Hostel, Trivandrum	[illegible]
4. Y. W. C. A. Hostel, Trivandrum	[illegible]
5. Nair Union Hostel, Trivandrum	[illegible]
6. S. N. V. Sadanam, Trivandrum	[illegible]
7. Hindu Vanitha Sangam, Trivandrum	[illegible]
8. [illegible] Mandiram, Trivandrum	[illegible]
9. St. Anne's Hostel, Changanacherry	[illegible]
10. Y. W. C. A. Hostel, [illegible]	[illegible]
11. Y. W. C. A. Hostel, Alwaye	[illegible]
12. [illegible] Hostel, Changanacherry	[illegible]
13. S. N. V. Sadanam, Quilon	[illegible]
Total	[illegible]

[illegible]

[illegible]

[illegible]

The following endowments were newly accepted during the year :-

	Name of Endowment	*Corpus amount*	*Donor*	*Purpose and to whom the award is to be made*
		Rs.		
1.	Prof. Chandrahasan Prize Endowment	2,500	Prof. P. V. Krishnan Nair, Manikkiri Road, Ernakulam, on behalf of "The Prof. Chandrahasan Endowment Committee"	To encourage the study of Hindi at the Post-graduate level. A prize is to be awarded annually to the candidate, who qualifies for the degree securing the highest number of marks in the M.A. Degree Examination in Hindi.
2.	Rabindranath Centenary Scholarship Endowment	5,200	The Calcutta Division Life Insurance Employees' Association, Hindustan Buildings, 4, Chittaranjan Avenue, Calcutta	To encourage the study of Bengali Literature in the University of Kerala. A scholarship is to be awarded every year to the candidate who secures the highest number of marks in Bengali under part II of the 3-years Degree course and who is continuing his studies to complete the degree course.
3.	Endowment instituted by the Government of West Bengal	4,000	The Government of west Bengal, Calcutta.	To encourage the study of Bengali in the University. A Prize is to be awarded annually to the candidate, who secures the highest number of marks in Bengali under part II from among the successful candidates at the B. A. / B. Sc. Degree

Name of Endowment	Corpus Amount	Donor	Purpose and to whom the award is to be made
	Rs.		
[illegible] R. Sankar Prize Endowment	2,000	Shri V. R. Subramoniam, Thiruvambadi, Trichur (on behalf of the All Kerala Private College Teachers' Association)	For the annual award of a prize to the candidate who secures the highest number of marks at the B.Ed. Degree Examination of the University, in the name of Shri R. Sankar, former Chief Minister of Kerala.
[illegible] Endowment	[illegible]	Shri P. Padmanabha Kedilaya, Retd. Chief Justice (Travancore) "Lakshmi Nilayam", Jagathy, Trivandrum	For the encouragement of the study of Sanskrit in the University. One scholarship and one medal are to be awarded from the annual interest on the corpus of the endowment.
[illegible] Gandhi Endowment	[illegible]	Created with the funds collected by the University and the contribution from the State Government in connection with the Mahatma Gandhi Centenary Celebrations	To award annually a prize to the candidate who secures the highest number of marks in an essay competition conducted by the University.

Finance

The financial year 1963-'64 opened with a fund balance of Rs. 52,08,948/-. The total receipts during the year under Government grants (including a grant of Rs. 30 lakhs from the State Government, Rs. 20,39,528/- from the University Grants Commission and Rs. 2,41,566/- from the Government of India), fees and miscellaneous accounts amounted to Rs.1,15,50,078/-. The total expenditure during the year under the various heads came to Rs. 1,24,26,673/-. The closing balance for the year was Rs. 43,32,353/-.

UNIVERSITY BUILDINGS,
Trivandrum,
31st January, 1965.

A. M. N. Chakiar

REGISTRAR

APPENDICES

APPENDIX I

List of Members of the reconstituted Senate

(for a period of three years from [illegible] June, 19[illegible])

CLASS I - EX OFFICIO MEMBERS

1. Sri V. V. Giri,
   Chancellor of the University &
   Governor of Kerala,
   Raj Bhavan, Trivandrum

2. Sri R. Sankar,
   Pro-Chancellor of the University &
   Chief Minister,
   Kerala State, Trivandrum

3. Sri Samuel Mathai,
   Vice Chancellor,
   University of Kerala, Trivandrum

4. Sri A. Abraham,
   Professor & Head of the
   Department of Botany,
   University of Kerala, Trivandrum

5. Smt. [illegible],
   Professor & Head of the Department
   of Mathematics and Statistics,
   University of Kerala, Trivandrum

6. Sri R. [illegible],
   Professor & Head of the
   Department of [illegible],
   University of Kerala, Trivandrum

7. Sri A. [illegible],
   Professor & Head of the
   Department of [illegible],
   University College,
   [illegible]

8 Shri E. I. George,
Reader & Head of the
Department of Psychology,
University of Kerala, Trivandrum.

9 Shri K. A. Isaac,
Reader & Head of the
Department of Library Science,
University Library, Trivandrum.

10 Shri P. K. Karunakara Menon,
Reader & Head of the Department
of Indian History & Culture,
University Centre,
Guruvayurappan College, Calicut.

11 Shri A. G. Krishna Warrier,
Reader & Head of the
Department of Sanskrit,
University of Kerala, Trivandrum.

12 Shri K. Kunjunni Menon,
Reader & Head of the
Department of Geology,
University of Kerala, Trivandrum.

13 Shri C. V. Kurien,
Reader & Head of the Department
of Marine Biology & Fisheries,
Oceanographic Laboratory,
Fore-shore Road, Ernakulam.

14 Shri A. T. Markose,
Professor & Head of the
Department of Law,
University Centre,
Hospital Road, Ernakulam.

15 Shri P. K. Narayana Pillai,
Professor & Head of the
Department of Malayalam,
University of Kerala, Trivandrum.

16 Shri K. K. Nayar,
Reader & Head of the
Department of Zoology,
University Centre,
St. Joseph's College, Calicut.

17 Shri N. P. Pillai,
Professor & Head of the
Department of Education,
University of Kerala,
Thycaud, Trivandrum

18 Shri V. R. Pillai,
Professor & Head of the
Department of Economics,
University of Kerala, Trivandrum

19 Shri V. I. Subramoniam,
Reader & Head of the Departments
of Linguistics and Tamil,
University of Kerala, Trivandrum.

20 Shri V. K. Sukumaran Nair,
Reader & Head of the
Department of Politics,
University of Kerala, Trivandrum

21 Shri K. Venkateswarlu,
Professor & Head of the
Department of [illegible],
University Centre,
Union Christian College, Alwaye

22 Shri [illegible] Menon,
Chief Justice,
High Court of Kerala, Ernakulam

23 Shri P. K. [illegible],
Secretary to Government,
[illegible] Department,
Government of Kerala, Trivandrum

24 Shri C. Thomas,
Secretary to Government,
Finance Department,
Government of Kerala, Trivandrum.

25 Shri P. K. Umashankar,
Director of Public Instruction,
Trivandrum.

26 Shri K. M. Pandalai,
Director, Central Coconut Research Station,
Kasaragod.

27 Shri A. N. Bose,
Director, Central Institute of Fishery Technology,
Chittur Road, Ernakulam.

28 Shri D. Srinivasan,
Principal Scientific Officer,
Indian Naval Physical Laboratory,
Naval Base, Cochin.

29 Shri S. B. Lal,
Director, Central Coconut Research Station,
Kayamgulam.

30 Shri S. Rajaraman,
Director of Technical Education,
Trivandrum.

31 Shri G. N. Balasubramoniam,
Dean, Faculty of Fine Arts &
Principal, S. S. T. College of Music,
Trivandrum.

32 Shri K. C. Chacko,
Dean, Faculty of Engineering, &
Principal, College of Engineering,
Trivandrum.

33 Shri M. George,
Dean, Faculty of Law & Principal,
Law College, Trivandrum

34 Shri C. O. Karunakaran,
Dean, Faculty of Medicine,
Leela Vilas, Kuravankonam,
Trivandrum

35 Shri Kerala Varma,
Dean, Faculty of Commerce, &
Professor of Commerce,
Sacred Heart College,
Thevara, Ernakulam

36 Shri M. N. Kesava Pillai,
Dean, Faculty of Ayurveda, &
Principal, Ayurveda College,
Trivandrum.

37 Shri C. K. N. Nair,
Dean, Faculty of Agriculture, &
Principal, Agricultural College,
Vellayani, Trivandrum

38 Shri C. T. Peter,
Dean, Faculty of Veterinary Science, &
Principal, Kerala Veterinary College,
Mannuthy, Trichur.

39 Shri P. S. Abraham,
Principal,
Carmel Rani Training College, Quilon.

40 Shri A. N. A[illegible],
Principal,
Sanatana Dharma College, [illegible]

41 Shri J. Alexander
Principal
Catholicate College, Pathanamthitta

42 Shri R. Ananthanarayan,
Principal, Medical College,
Calicut.

43 Sr. M. Annunciata,
Principal, St. Mary's College,
Trichur.

44 Rev. S. H. Antony,
Principal, St. Joseph's College,
Devagiri, Calicut.

45 Shri G. Balakrishna Pillai,
Principal, N. S. S. College,
Pandalam.

46 Shri K. Balarama Panicker,
Principal, Sanskrit College,
Trivandrum.

47 Shri A. Cheriyan,
Principal,
Peet Memorial Training College,
Mavelikara.

48 Shri A. J. Cheriyan,
Principal, St. Thomas College,
Kozhencherry.

49 Sr. M. Crucifixa,
Principal,
Mount Carmel Training College,
Kottayam.

50 Shri C. C. David,
Principal,
Government Brennen College,
Dharmadam, Tellicherry.

51 Sr. M. Digna,
Principal, St. Teresa's College,
Ernakulam.

52 Mother M. [illegible],
Principal,
Providence Women's College,
Calicut

53 Miss C. M. [illegible],
Principal, Medical College,
Kottayam

54 Rev. Fr. Francis Kalacherry,
Principal, St. Berchmans' College,
Changanacherry.

55 Rev. Fr. A. Gabriel,
Principal, Christ College,
Irinjalakuda.

56 Rev. Fr. Geevarghese Panicker,
Principal, Mar Ivanios College,
Trivandrum

57 Rev. Fr. C. M. George,
Principal,
Fatima Mata National College,
Quilon

58 Miss T. C. George,
Principal, College of Engineering,
Trichur

59 Miss M. [illegible] Nair,
Principal, N. S. S. Hindu College,
Changanacherry.

60 Miss K. [illegible] Nair
Principal, Government College,
[illegible]

61 [illegible]
[illegible]
[illegible]
[illegible]

62 Shri K. P. Govindan,
Principal, Sree Narayana Training College,
Nedumganda.

63 Rev. Isidore M. Vadakan, C M. I.,
Principal,
St. Joseph's Training College,
Mannanam.

64 Shri K. A. Jaleel,
Principal, Farook College,
Feroke.

65 Rev. Fr. Joseph Kureethadom,
Principal, St. Thomas College,
Palai.

66 Shri P. C. Joseph,
Principal, C. M. S. College,
Kottayam.

67 Rev. Fr. Joseph Puthenkalam, S. J.,
Principal,
Loyola College of Social Sciences,
Cheruvikkal, Trivandrum.

68 Rev. Fr. T T. Joseph,
Principal,
St. Thomas Training College,
Palai.

69 Rev. Fr. Jos Mathew,
Principal,
Mar Theophilus Training College,
Trivandrum.

70 Shri M. V. Kesava Rao,
Principal,
Regional Engineering College,
Calicut.

71 Shri C. Krishna Das,
Principal, N.S.S. Training College,
Pandalam.

72 Shri P. Kuttiraman Nayar,
Principal, N.S.S. Training College,
Ottapalam

73 Smt. Lily Kurien,
Principal, St. Joseph Training
College for Women,
Ernakulam

74 Shri K. Madhava Menon,
Principal, Government College,
Madappally,
[illegible] Badagara

75 Shri N. T. Madhavan Nambiar,
Principal, Guruvayurappan College,
Calicut.

76 Shri P. Madhava Rao,
Principal, Sree Narayana College,
Cannanore

77 Shri M. P. Manmathan,
Principal, Mahatma Gandhi College,
Trivandrum

[illegible] [illegible]
[illegible] College
[illegible]

[illegible] [illegible]
Principal, [illegible] College,
Changanacherry

[illegible]

80 Shri P. M. Mathai,
Principal,
Union Christian College,
Alwaye.

81 Shri O. A. Mathew,
Principal,
Mar Athanasius College of Engineering.
Kothamangalam.

82 Shri V. S. Nair,
Principal,
N. S. S. College of Engineering,
Palghat.

83 Shri A. S. Narayana Pillai,
Principal, Government College,
Chittur—Cochin.

84 Shri N. S. Warrier,
Principal,
University College, Trivandrum.

85 Mother Olive Rodrigues,
Principal,
St. Joseph's College for Women,
Alleppey.

86 Shri T. Paul Verghese,
Principal,
Government Training College,
Trivandrum.

87 Shri V. G. M. Pavamani,
Principal,
Malabar Christian College,
Calicut

88 Shri P. S. Raghavan,
Principal,
Government Victoria College,
Palghat.

89 Shri T. K. Ramachandra Ayyar,
Principal,
Government Sanskrit College,
Tripunithura.

90 Shri K. R. Ramakrishnan,
Principal,
Government Training College,
Calicut.

91 Shri V. P. Kannan Nair,
Principal,
Sree Kerala Varma College,
Trichur.

92 Shri R. Sankaradasan Thampi,
Principal,
Law College, Ernakulam

93 Smt. [illegible] K. Saratha,
Principal,
Sree Narayana College for Women,
Quilon.

94 Smt. C. Saradamma,
Principal,
N. S. S. College for Women,
Trivandrum.

95 Sr. M. Sajie,
Principal,
Bishop Choolaparambil Memorial College,
Kottayam

96 Shri C. A. [illegible],
Principal,
Sree Sankara College,
Kalady

97 Shri M. Sreenivasan,
Principal,
Sree Narayana College,
Quilon.

98 Shri T. K. Subramaniam,
Principal,
Farook Training College,
Feroke.

99 Shri Sukumar Azhicode,
Principal,
S. N. M. Training College,
Moothakunnam, N. Parur.

100 Smt. N. Sumathykutty Amma,
Principal,
N. S. S. Training College,
Changanacherry.

101 Shri M. Thangavelu,
Principal,
Medical College, Trivandrum.

102 Rev. Fr. Thomas Moothedan,
Principal,
St. Thomas College, Trichur.

103 Rev. Fr. Thomas Nedumkallel,
Principal,
Nirmala College, Muvattupuzha.

104 Shri P. T. Thomas,
Principal,
Titus II Teachers' College, Thiruvalla.

105 Rev. T. C. Thomas,
Principal,
Mar Thoma College, Thiruvalla.

106 Kumari M. Varughese,
Principal,
Government Training College, Tellicherry.

107 Shri M. P. Varghese,
Principal,
Mar Athanasius College, Kothamangalam

108 Shri P. S. Velayudhan,
Principal,
Maharaja's College, Ernakulam

109 Shri Vincent Murthy,
Principal,
Mount Tabor Training College, Pathanapuram.

110 Rev. Fr. Xavier Kaelamparath,
Principal,
St. Albert's College, Ernakulam

111 Shri M. K. Abdul Hameed,
Principal,
Thangal Kunju Musaliar College of Engineering,
Kollam, Quilon

112 The Principal,
T. D. Medical College, Alleppey

113 The Principal,
College for Women, Trivandrum

114 The Principal,
Sacred Heart College, Thevara, Ernakulam

115 The Principal,
Government Training College, Trichur

116 [illegible]
[illegible]
[illegible], Trivandrum

CLASS II - ELECTED MEMBERS

By the Registered Graduates

117 Shri P. S. George,
Advocate,
Kalleekal Plamoottil, Thiruvalla.

118 Shri C Z. Scaria,
Lecturer,
St. Berchmans' College, Changanacherry.

119 Shri K. Velayudhan Nair,
Advocate, Ernakulam.

120 Rev. Fr. C. T. Kottaram,
Headmaster, St. Michael's High School,
Pravithanam P. O.,
Kottayam District.

121 Shri P. Unnikrishna Pillai,
Nedumpreth House
Thodiyoor P. O., Karunagappally.

122 Shri R. Sukumara Panikkar,
Assistant Professor &
Head of the Department of Physics,
N. S. S. College of Engineering, Palghat.

123 Shri P. V. Ulahannan,
Professor of Malayalam,
St. Berchmans' College, Changanacherry.

124 Shri P. Kunjikrishnan,
Lecturer,
Maharaja's College, Ernakulam.

125 Shri N. Narayanan Nayar,
Advocate,
Kanankara House, West Vanchiyoor,
Trivandrum.

126 Shri P. K. Mani,
Professor of Chemistry,
St. Thomas College, Palai

127 Shri T. Joseph,
Lecturer,
Puthenpurayil, [illegible], [illegible]

128 Shri M. Sivaraman Nayar,
Medical Practitioner,
Sree Rama Clinic,
Palace Road, [illegible]

129 Shri P. Krishnan Nayar,
Retd. Joint Registrar
of Cooperative Societies,
Near Mascot Hotel,
Trivandrum.

130 Shri K. P. Karunakaran Nayar,
Managing Director,
Malabar Potteries, Ltd.,
Feroke, [illegible].

131 Shri K. [illegible],
Lecturer,
C. M. S. College, Kottayam

132 Shri S. [illegible],
Professor of Zoology,
Sree Narayana College,
[illegible]

By the Members of the Legislative Assembly

133 Shri K. [illegible],
Member, Legislative Assembly,
[illegible]
[illegible]

134 Shri E. P. Eapen,
Member, Legislative Assembly,
Pattom, Trivandrum.

135 Shri Malethu Gopinatha Pillai,
Member, Legislative Assembly,
Edayarannmula P. O.

136 Shri A. L. Jacob,
Member, Legislative Assembly,
Chittur Road, Ernakulam.

137 Shri M. Moideenkutty Hajee,
Member, Legislative Assembly,
Annara, Tirur P. O.

138 Shri O. T. Sarada Krishnan,
Member, Legislative Assembly,
Sarat Nivas,
Chalapuram, Kozhikode.

By the Teaching Staff of Colleges Affiliated to the University

(Teachers in Arts)

139 Shri V. R. Subramoniam,
Lecturer in English,
St. Thomas College,
Trichur.

140 Shri V. S. Ouseph,
Lecturer in Economics,
Mar Ivanios College,
Trivandrum.

141 Shri G. Kumara Pillai,
Lecturer in English,
University College,
Trivandrum.

142 Sri N. Chandrasekhara[illegible] Nair,
Professor of Botany,
N. S. S. Hindu College,
Changanacherry.

143 Sri C. V. Cherian,
Lecturer in History,
C. M. S. College,
Kottayam.

(Section in Science)

144 Sri T. T. Chacko,
Professor of Chemistry,
St. Berchmans' College,
Changanacherry.

145 Sri P. K. [illegible] Nair [illegible]
Lecturer in Botany,
Maharaja's College,
Ernakulam.

146 Sri P. K. G. [illegible],
Professor of Botany,
Sree Narayana College,
Quilon.

147 Sri R. Narayana Iyer,
Lecturer in Physics,
N. S. S. College,
Pandalam.

148 Sri [illegible] G. [illegible] Pandalai,
Lecturer in Mathematics,
[illegible] College,
[illegible]

[illegible]

149 Sri M. M. [illegible],
Chief Lecturer in Languages,
St. Albert's College,
Ernakulam.

165 Shri M. Abootty,
Municipal Councillor,
Advocate,
Tellicherry.

166 Smt. S. Ratnakala,
Municipal Councillor,
Panthiyil House,
Ernakulam.

167 Shri P. Ravindran Nair,
Municipal Councillor,
Accountant,
Perunnai, Changanacherry.

168 Shri M. Kumaran.
Municipal Councillor,
Political Worker, Communist Party Office,
Badagara.

169 Shri N. N. Ramachandran,
Municipal Councillor,
Chartered Accountant,
Single Street, Nurani, Palghat.

170 Shri K. Divakaran,
Municipal Councillor,
Santhalayam,
Pattathanam, Quilon.

171 Shri C. I. Cheru,
Municipal Councillor,
Journalist, Kanipayyoor,
Kunnamkulam.

172 Shri J. Jessiah,
Municipal Councillor,
Vakil, Vlangamuri Ward,
Neyyattinkara.

B) the Members of Panchayats

173 Shri Varghese,
Member, Puramattom Panchayat,
Puramattom P. O.,
Thiruvalla.

174 Shri Kurkamba,
Member, Kiranur-Karadalam Panchayat,
Kiranur P. O.,
Hosdurg

175 Shri Mathai,
Member, Mar[illegible] Panchayat,
Irapuram P. O.

176 Shri Joseph,
Member, Arpookara Panchayat,
Arpookara P. O.,
Kottayam

177 Shri Ibrahim,
Member, Areacode Panchayat,
Areacode P. O., [illegible],
Kozhikode.

178 Shri K. P. Narayana Menon,
President, [illegible] Panchayat,
[illegible] P. O.

179 Shri Sadanandan,
Member, East Kalleda Panchayat,
East Kalleda

180 Shri Abdul Gaffoor Shah,
Member, [illegible] Panchayat,
[illegible]

181 [illegible]
Member, [illegible] Panchayat,
[illegible] P. O.

By the Heads of Recognised High Schools in the State

182 Shri N. Gopala Kurup,
Headmaster, N.S.S. High School,
Chingavanam, Kuzhimattom P. O.,
Kottayam.

183 Rev. Fr. Kuriakose Mialil,
Headmaster, S. H. Mount High School,
Kottayam.

184 Shri P. M. Cherian Tharakan,
Headmaster,
St. John's Model High School,
Nalanchira, Trivandrum.

185 Shri M. S. Gopalan Nair,
Headmaster, St. George's High School,
Aruvithura, Erattupetta P. O.

By The Registered Trade Unions in the State

186 Shri P. Gangadharan,
President,
The Cochin Port Cargo Labour Union,
Cochin.

187 Vacant.

CLASS III - LIFE MEMBERS

188 Rajyasevanirata
Shri Chattanatha Karayalar,
Trivandrum.

189 Shri P. Eapen Thomas,
Palampadom,
Kottayam.

190 Shri A. V. Thomas,
Beach Road,
Alleppey.

191 Shri K. V. Thomas,
Managing Proprietor,
Travancore Wood Works,
Mundakayam

192 Shri P. R. Parameswara Panikkar,
Retd. Pro-Vice Chancellor,
University of Travancore,
Trivandrum.

CLASS IV – OTHER MEMBERS

(Representatives of the Chambers of Commerce)

193 Shri Achuthan Pillai,
Vice-President, Indian Chamber of Commerce,
Cochin.

194 Shri P.P. Hassan Koya,
Merchant, Court Road,
Calicut.

195 Shri S.V. Pandit,
Cantonment,
Trivandrum

(Representatives of Industries)

[illegible] Shri A. K. [illegible],
Managing Director,
Western India [illegible] Ltd.,
[illegible] P. O., Cannanore

[illegible] Shri M. [illegible] Nair,
Managing Director,
F. A. C. T. Ltd.,
Udyogamandal P. O. [illegible]

[illegible]

[illegible] Shri [illegible],
[illegible],
Trivandrum.

199 Shri Malloor K. Govinda Pillai,
Rtd. Law College Principal & Advocate,
Trivandrum.

200 Shri Henry Austin,
Advocate, Ram Mohan Palace Road,
Ernakulam.

(Representatives of Authors)

201 Shri N. Gopala Pillai,
Retd. Principal, Sanskrit College,
Trivandrum.

202 Shri E. M. Kovoor,
Retd. Sessions Judge,
Kuttapuzha P. O.,
Thiruvalla.

(General)

203 Shri A. N. Thampi,
Retd. Director of Public Instruction & Chairman,
Advisory Board for Education,
Thycaud, Trivandrum.

204 Shri Jacob Chandy,
Professor of Surgery,
Christian Medical College,
Vellore.

APPENDIX II

AMENDMENTS TO THE STATUTES

The [illegible] amendments [illegible] the University during the year [illegible] —

I. That in Chapter XV — Faculty of Engineering [illegible] of the University the [illegible] Section 4.

4. (1) A candidate for registration for the Degree of Ph.D. in the Faculty of Engineering must have [illegible] for the Degree of Master of Science in Engineering of this University [illegible] other University recognised [illegible]

(2) A candidate for the Ph.D. Degree [illegible] registration, produce a certificate from a [illegible] of the University, [illegible] a [illegible] Ph.D. Degree [illegible] take the responsibility of supervising [illegible] The above certificate [illegible] University [illegible] the [illegible]

(3) A candidate [illegible] Degree [illegible]

[illegible] Ph.D.

(4) [illegible] Ph.D. [illegible]

(5) [illegible] Ph.D. [illegible]

(vi) Not later than one calendar year before the date when he proposes to enter for the examination, the student must submit the title of his thesis for approval by the University. After the title of the thesis has been approved, it may not be changed except with the permission of the University.

(vii) On completing his course of study every candidate must submit a thesis which embodies the result of his research and observation and which must form a distinct contribution to the knowledge of the subject and afford evidence of originality shown either by the discovery of new facts or by the exercise of independent critical power.

(viii) The Degree will not be conferred upon a candidate unless the examiners certify that the thesis is worthy of publication as a "Thesis approved for the Degree of Doctor of Philosophy (Engineering) in the University of Kerala".

(ix) An abstract of the thesis comprising not more than 300 words shall be included in each copy of the thesis submitted to the University.

(x) A candidate will not be permitted to submit as his thesis a thesis for which a Degree has been conferred on him in this or in any other University but a candidate shall not be precluded from incorporating work which he has already submitted for a degree in this or in any other University in a thesis covering a wider field, provided that he shall indicate in his form of entry and also in his thesis any work which has been so incorporated.

(xi) Every candidate must apply to the Registrar for a form of entry, which must be returned duly completed and accompanied by four copies of his thesis printed or typewritten together with an entry fee of Rs. 200/- and a certificate of having completed the course of study prescribed in his case.

(xii) The candidate may submit as subsidiary matter in support of his candidature any printed contribution or contributions to the advancement of his subject which he may have published independently or conjointly. In the event of a candidate submitting such subsidiary matter he will be required to state fully his own share in any conjoint work.

(xiii) After the examiners have read the thesis they may, if they think fit, and without further test, recommend that the candidate be rejected.

(xi) If the thesis is adequate the examiners shall examine the candidate orally, and at their discretion by written papers or practical examination or by both methods, on the subject of the thesis and, if they see fit, on subjects relevant thereto.

(xii) If the thesis is adequate but the candidate fails to satisfy the examiners at the oral, practical or written examination [illegible] connection therewith, the examiners may recommend [illegible] that the candidate be permitted to re-present [illegible] submit to a further oral, practical or written examination within a period not exceeding one year specified by them; and the University, if the University adopt the recommendation [illegible] examiners, shall be half the fee originally paid.

(xiii) If the thesis, though inadequate, [illegible] merit to justify such action the examiners may recommend to the University that the candidate be permitted to [illegible] in a revised form within eighteen months from the [illegible] of the University with regard thereto and the fee [illegible] sity adopt such recommendation, shall be [illegible] paid. Examiners shall not, however, [illegible] without submitting the candidate to an oral examination.

(xiv) Each report of the examiners shall [illegible] the thesis submitted by the candidate [illegible] contribution (if any) to the advancement of [illegible] statement of the grounds upon [illegible] the examiners for the Degree.

(xv) [illegible] place all successful theses [illegible] be deposited for reference in the [illegible]

(xvi) Work approved for the Degree of Ph.D. [illegible] [illegible] degree, [illegible] the fact that the work [illegible] the award of the Degree.

(xvii) [illegible] Degree [illegible]

(xviii) [illegible] Degree [illegible]

thesis for the Ph. D. Degree without working under a supervising teacher, provided however, they possess the qualifications prescribed in sub-section (i) supra and register themselves for the Degree.

II (i) That in Section 3 - Diplomas and Certificates of Chapter XII - Degrees - of the First Statutes, the following be inserted as items 25 and 26 after the existing item 24 and the subsequent item renumbered as 27 :—

25. Translation

26. Translation and Secretariat Drafting in Hindi

(ii) That in Section 10 - Diplomas and Certificates of Chapter XVII - Faculty of Oriental Studies - of the First Statutes, the following be inserted as items (ii) and (iii) after item (i) Linguistics and the subsequent item renumbered as (iv) :—

(ii) Translation
(iii) Translation and Secretariat Drafting in Hindi

III That para 1 of Statute 11 (a) of Chapter VI—the Senate—of the First Statutes be amended as follows :—

11. Hours of meeting - (a) Unless the Senate otherwise resolve, the Senate shall meet at 10 A.M. on each day appointed for the meeting and the Chairman shall adjourn the meeting at 5 P.M.; there shall be an adjournment from 1 P. M. to 2.30 P. M. for lunch.

IV That in Section 2 of Chapter IV—University Departments—of the First Statutes, item '27. English' be added after item '26. Business Administration' and the subsequent item renumbered.

V (i) That in Section 3—Diplomas and Certificates—of Chapter XII—Degrees—of the First Statutes the following be added after item '26. Translation and Secretariat Drafting in Hindi' and the subsequent item renumbered :—

27. Business Management
28. Industrial Management

(ii) That in Section 9—Diplomas—of Chapter XIII—Faculty of Arts—of the First Statutes the following be added after item

(vi) Teaching of English and the subsequent item renumbered :—
(vii) Business Management
(viii) Industrial Management

INSTITUTION

23. St. Thomas College, Trichur.
24. Sree Kerala Varma College, Trichur.
25. Sree Narayana College for Women, Quilon.
26. N. S. S. College for Women, Trivandrum.
27. Assumption College, Changanacherry.
28. St. Joseph's College for Women, Alleppey.
29. B. C. M. College for Women, Kottayam.
30. Providence Women's College, Calicut.
31. Little Flower College, Guruvayoor.
32. St. Teresa's College, Ernakulam.
33. St. Mary's College, Trichur.
34. St. Joseph's College, Devagiri.
35. Sacred Heart College, Thevara, Ernakulam.
36. Sree Narayana College, Cannanore.
37. N. S. S. College, Ottapalam.
38. Institute of Sociology, Trivandrum.

Total (B) ...

II. *Oriental Title Institutions*

Maintained by Private Managements

1. Mahajana Sanskrit College, Perdala.
2. Sahitya Deepika Sanskrit College, Pavaratty.
3. Rouzathul Uloom Arabic College, Feroke.
4. Madeenathul Uloom Arabic College, Feroke.
5. Sullamussalam Arabic College, Areacode.
6. Nural Huda Arabic College, Kanjirappally.

Total II ...

Total [I + II] ...

[illegible] ...s in the Arts and Science and Oriental Studies Co[illegible]

[illegible]	Faculty of Arts							Faculty of Science					Fa[illegible]
	B.A.		M.A.		M.S.W.			B.Sc.			M.Sc.		
	I yr.	II yr.	Previous	Final	Previous	Final	D.S.W.	I yr.	II yr.	III yr.	Previous	Final	Previous
[illegible]	36	33	15	—				322	246	144	39	22	
[illegible]	34	29						193	174	12[illegible]			1[illegible]
[illegible]	34	36					7	2[illegible]4	229	13[illegible]	6		[illegible]
[illegible]	41	32						90	54	44			
[illegible]	47	21						247	1[illegible]	110			
[illegible]	73	13						120	100	[illegible]			
[illegible]	62	44						177	15[illegible]	154			
[illegible]	4[illegible]	39						5[illegible]	57	44			
[illegible]	21	3[illegible]						120	6[illegible]	4[illegible]			
[illegible]	62	34						142	113	105	14	5	
[illegible]	7[illegible]	47	23	19				219	212	15[illegible]			
[illegible]	1[illegible]	11	2[illegible]	12				211	171	120	14	13	
[illegible]	11	3[illegible]	29	14	15	14	25	256	10[illegible]	15[illegible]	22	2[illegible]	
[illegible]	43	14						139	117	111			
[illegible]	[illegible]	1[illegible]						71	67	2[illegible]			
			24	20	17								
[illegible]	[illegible]	[illegible]	[illegible]	157	32	14	32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4
													15[illegible]
													41
													45
													[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	32	14	32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

tal Title Institutions, 1964-'65—Contd.

...es	Faculty of Fine Arts			Faculty of Commerce					Total for 1964-'65			Total for 1963-'64	No. of Teachers 1964-'65
A.	B. A.			B. Com.			M. Com.						
Final	1 yr.	2 yr.	3 yr.	1 yr.	2 yr.	3 yr.	Previous	Final	Men	Women	Total		
				68	53	31			1,917	—	1,917	1,574	7
				61	66	31			1,030	405	1,435	1,197	5
									—	1,635	1,635	1,400	6
									—	906	906	964	4
									—	1,258	1,258	1,165	5
									—	672	672	557	3
									—	1,270	1,270	1,149	5
									—	557	557	485	2
									—	812	812	605	3
									—	1,062	1,062	954	5
									—	1,583	1,583	1,370	6
									1,068	—	1,068	1,017	5
				65	49	59	15	5	1,633	—	1,633	1,588	8
				48	50	34			807	434	1,241	1,172	5
				31	15	32			461	160	621	444	3
									36	25	61	24	
17	—	—	—	1,312	960	672	83	55	32,442	18,799	51,241	46,231	2,29
									—	—	—	4	
									8	122	130	170	
									57	—	57	64	
									41	7	48	36	
									37	18	55	46	
									43	—	43	56	
									186	147	333	376	
82	16	5	5	1,481	1,018	717	83	55	39,847	23,083	62,930	56,919	2,9

(ii) *Strength of Students and Teachers in the Junior Colleges, 1964-'65*

INSTITUTION	Strength of Students [illegible]			Number of Teachers [illegible]
	Men	[illegible]	[illegible]	
(A) Government College				
1. Government Arts and Science College, Calicut.	[illegible]	[illegible]	[illegible]	[illegible]
(B) Colleges maintained by Private Managements				
1. Baselius College, Kottayam	[illegible]	[illegible]	[illegible]	[illegible]
2. Bishop Moore College, Mavelikara.	[illegible]	212	[illegible]	11
3. Christian College, Chengannur	[illegible]	[illegible]	[illegible]	11
4. Deva Matha College, Kuravilangad.	167	[illegible]	[illegible]	11
5. Devaswom Board College, Sasthamcottah.	[illegible]	[illegible]	421	22
6. Iqbal College, Peringammala	[illegible]	[illegible]	[illegible]	[illegible]
7. M.S.M. College, Kayamkulam.	[illegible]	[illegible]	[illegible]	1?
8. Newman College, Thodupuzha	[illegible]	[illegible]	[illegible]	11
9. Nirmala College, [illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10. [illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11. [illegible]	[illegible]	118	[illegible]	[illegible]
12. [illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13. [illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14. [illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15. [illegible]	[illegible]	[illegible]	[illegible]	22?
16. [illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17. [illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18. [illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19. [illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20. [illegible]	[illegible]	[illegible]	[illegible]	[illegible]

INSTITUTION	No. of Students 1964-'65 Pre-Degree (I Year)			No. of Teachers (1964-'65)
	Men	*Women*	*Total*	
21. St. Stephen's College, Pathanapuram.	214	108	322	11
22. St. Stephen's College, Uzhavoor.	155	101	256	12
23. St. Thomas College, Ranni.	146	62	208	10
24. T. K. Madhavan Memorial College, Nangiarkulangara.	221	133	354	14
25. Velu Thampi Memorial N. S. S. College, Dhanuvachapuram.	287	123	410	18
26. Kuriakose Elias College, Mannanam.	280	—	280	14
27. Loyola College, Kazhakootam.	249	—	249	17
28. All Saints' College, Trivandrum.	—	273	273	20
29. Alphonsa College, Palai.	—	347	347	15
30. Mercy College, Palghat.	—	234	234	10
31. St. Joseph's College, Irinjalakuda.	—	306	306	15
32. St. Xavier's College, Alwaye.	—	223	223	17
Total (B)	6,111	4,021	10,132	475
Grand Total (A & B)	6,299	4,068	10,367	483

SUMMARY

II Strength of students [illegible]

INSTITUTION	[illegible]	[illegible]	[illegible]
I Affiliated Colleges			
(i) Arts and Science and Oriental Studies Colleges	[illegible]	[illegible]	[illegible]
(ii) Junior Colleges	[illegible]	[illegible]	[illegible]
(iii) Oriental Title Institutions	[illegible]	[illegible]	
(iv) Professional Colleges	[illegible]	[illegible]	[illegible]
Total ...	[illegible]	[illegible]	[illegible]
II. University Teaching Departments			
(All Teaching [illegible])			
(i) Department of Economics			
M. A. (Economics)	[illegible]	[illegible]	[illegible]
(ii) Department of Politics			
M. A. (Politics)	[illegible]	[illegible]	[illegible]
(iii) Department of Psychology			
M. A. (Psychology)	[illegible]	[illegible]	[illegible]
(iv) Department of Education			
M. Ed.	[illegible]	[illegible]	
(v) Department of English			
(a) M. A. English	[illegible]	[illegible]	
(b) Diploma in English	[illegible]	[illegible]	
(vi) Department of German			
(a) Certificate in German	[illegible]	[illegible]	
(b) Diploma in German		4	[illegible]
(vii) Department of Mathematics and Statistics			
(a) M. Sc. [illegible]	[illegible]	[illegible]	[illegible]
(b) M. Sc. [illegible]	[illegible]	[illegible]	
(viii) Department of [illegible]			
M. A. [illegible]	[illegible]	[illegible]	[illegible]
(ix) Department of [illegible]			
M. A. [illegible]	[illegible]	[illegible]	[illegible]
(x) [illegible]			
M. A. [illegible]			
(xi) [illegible]			
[illegible]	[illegible]	[illegible]	
(xii) [illegible]			
[illegible]	[illegible]	[illegible]	[illegible]

INSTITUTION	No. of Students 1964-'65		
	Men	Women	Total
(At Ernakulam Centre)			
(xiii) Department of Marine Biology and Fisheries			
M. Sc. (Marine Biology)	14	5	19
(xiv) Department of Physics			
M. Sc. (Physics)	9	7	16
(xv) Department of Hindi			
M. A. (Hindi)	5	18	23
(xvi) Department of Law			
M. L.	12	1	13
(xvii) School of Management Studies			
Post-graduate Diploma courses in			
(a) Business Management	15	—	15
(b) Industrial Management	20	—	20
(At Calicut Centre)			
(xviii) Department of History			
M. A. (History)	5	4	9
(xix) Department of Chemistry			
M. Sc. (Chemistry)	8	4	12
(xx) Department of Botany			
M. Sc. (Botany)	4	6	10
(xxi) Department of Zoology			
M. Sc. (Zoology)	5	7	12
	278	151	429

Faculty-wise distribution of Students (1964 - '65)

	No. of Students
Arts, Science and Oriental Studies ...	70,303
Fine Arts	26
Law	478
Education	2,355
Engineering	4,171
Commerce	3,354
Medicine	2,299
Ayurveda	83
Agriculture	224
Veterinary Science	247
	83,540

APPENDIX IV

Statement showing the distribution of Senior Division N. C. C. Units in Colleges, 1964-'65

[illegible]	[illegible]	[illegible]	[illegible]
1. 1 Kerala Bn. NCC Trivandrum.	(i) Mar Ivanios College, Trivandrum	6	1,20[illegible]
	(ii) Agricultural College, Trivandrum	1	20[illegible]
2. 2 Kerala Bn. NCC Trivandrum.	Mahatma Gandhi College, Trivandrum	7	1,40[illegible]
3. 3 Kerala Bn. NCC Trivandrum.	(i) University College, Trivandrum	6	[illegible]
	(ii) Ayurveda College, Trivandrum	1	[illegible]
	(iii) Sanskrit College, Trivandrum	1	[illegible]
4. 4 Kerala Bn. NCC Trivandrum.	[illegible] College, Trivandrum	[illegible]	1,[illegible]
5. [illegible] Kerala Bn. NCC Quilon	[illegible] College, Quilon	[illegible]	1,[illegible]
6. [illegible] Kerala Bn. NCC Quilon	[illegible] College, Quilon	[illegible]	[illegible]
7. 10 Kerala Bn. NCC [illegible]	[illegible]	[illegible]	1,[illegible]
8. [illegible]	[illegible]	[illegible]	[illegible]
9. [illegible]	[illegible]	[illegible]	[illegible]
	(ii) [illegible]	2	[illegible]

Name of Unit	Affiliated College (s) under the purview of the Unit	Strength	
		Officers	Cadets
10. 13 Kerala Bn. NCC Changanacherry.	St. Berchmans' College, Changanacherry.	7	1,400
11. 14 Kerala Bn. NCC Changanacherry.	N. S. S. Hindu College, Changanacherry.	5	900
12. 15 Kerala Bn. NCC Kottayam.	(i) C. M. S. College, Kottayam.	5	1,000
	(ii) Nirmala College, Muvattupuzha.	3	600
13. 16 Kerala Bn. NCC Palai.	St. Thomas College, Palai.	7	1,400
14. 17 Kerala Bn. NCC Alleppey.	Sanatana Dharma College, Alleppey.	7	1,400
15. 18 Kerala Bn. NCC Ernakulam.	(i) Sacred Heart College, Thevara.	6	1,200
	(ii) Mar Athanasius College, Kothamangalam.	2	400
16. 19 Kerala Bn. NCC Ernakulam.	(i) Maharaja's College, Ernakulam.	4	800
	(ii) St. Albert's College, Ernakulam.	5	1,000
17. 20 Kerala Bn. NCC Alwaye.	(i) Union Christian College, Alwaye.	3	600
	(ii) Sree Sankara College, Kalady.	2	400
18. 22 Kerala Bn. NCC Trichur.	St. Thomas College, Trichur.	8	1,600
19. 23 Kerala Bn. NCC Trichur.	Veterinary College, Trichur.	1	200
20. 24 Kerala Bn. NCC Irinjalakuda.	Christ College, Irinjalakuda.	5	1,000

	Name of Unit	Affiliated College (s) under the purview of the Unit	Strength Officers	Strength Cadets
21	25 Kerala Bn. NCC Palghat.	(i) Government Victoria College, Palghat	5	1,000
		(ii) Government College, Chittur.	3	600
22	26 Kerala Bn. NCC Palghat.	N. S. S. Arts & Science College, Ottapalam	2	400
23	27 Kerala Bn. NCC Kozhikode.	(i) Farook College, Feroke.	3	600
		(ii) Malabar Christian College, Calicut.	3	600
24	28 Kerala Bn. NCC Kozhikode	(i) Guruvayurappan College, Calicut.	3	500
		(ii) St. Joseph's College, Devagiri	4	400
25	29 Kerala Bn. NCC Cannanore.	(i) Sree Narayana College, Cannanore.	3	600
		(ii) Government College, Kasaragod.	2	400
26	30 Kerala Bn. NCC Tellicherry.	(i) Government Brennen College, Tellicherry	4	[illegible]
		(ii) Government College, Madappally.	2	400
27	1 Kerala Armed Sqn. NCC Changanacherry.	St. Berchmans' College, Changanacherry	3	200
28	1 Kerala Arty Bty. Cannanore.	Sree Narayana College, Cannanore	2	200
29	1 Madras Engr UMI Company Trivandrum	Engineering College, Trivandrum.	3	200
30	2 K Madras Engr UMI Company, Trichur.	Engineering College, Trichur.	3	200
31	1 K Signal Company Trivandrum.	Engineering College, Trivandrum	2	200
32	1 K Engr Regt Palghat.	N. S. S. College of Engineering, Palghat.	3	[illegible]
33	1 K EME Unit Quilon.	T. K. M. College of Engineering, Quilon	[illegible]	[illegible]
34	2 K EME Unit Kozhikode.	Mar Athanasius College of Engineering Kothamangalam	[illegible]	[illegible]

Name of Unit	Affiliated College (s) under the purview of the Unit	Strength	
		Officers	Cadets
35. 3 K EME Unit Kozhikode.	Regional Engineering College, Kozhikode.	3	400
36. 1 K Medical Company NCC, Trivandrum.	Medical College, Trivandrum.	2	200
37. 2 K Medical Company NCC, Kottayam.	Medical College, Kottayam.	2	200
38. 1 Kerala Naval Unit NCC, Ernakulam.	(i) Maharaja's College, Ernakulam.	2	70
	(ii) Sacred Heart College, Thevara.	1	70
	(iii) St. Albert's College, Ernakulam.	1	60
39. 2 Kerala Naval Unit Kozhikode.	(i) Malabar Christian College, Calicut.	1	50
	(ii) Guruvayurappan College, Calicut.	1	50
	(iii) Farook College, Feroke	1	50
	(iv) St. Joseph's College, Devagiri.	1	50
40. 3 Kerala Naval Unit Trivandrum.	(i) University College, Trivandrum.	1	66
	(ii) Mahatma Gandhi College, Trivandrum.	1	68
	(iii) Mar Ivanios College, Trivandrum.	1	66
41. 4 Kerala Naval Medical Unit, Kozhikode.	Medical College, Kozhikode.	4	200
42. 5 Kerala Naval Medical Unit, Alleppey.	T. D. Medical College, Alleppey.	4	200
43. 1 Kerala Air Sqn. NCC Trivandrum.	(i) University College, Trivandrum.	1	65
	(ii) Mar Ivanios College, Trivandrum.	1	65
	(iii) Mahatma Gandhi College, Trivandrum.		60
	(iv) Sanskrit College, Trivandrum.		10

Girls' Division

	Name of Girls' Company	Location
1	1 Kerala Girls Coy	Women's College, Trivandrum
2	2 Kerala Girls Coy.	do
3	3 Kerala Girls Coy	Medical College, Trivandrum
4	4 Kerala Girls Coy.	Fatima Mata National College, Quilon
5	5 Kerala Girls Coy.	do
6	6 Kerala Girls Coy	Sree Narayana College, Quilon
7	7 Kerala Girls Coy	do
8	8 Kerala Girls Coy.	Catholicate College, Pathanamthitta
9	9 Kerala Girls Coy.	Mar Thoma College, Tiruvalla
10	10 Kerala Girls Coy.	N. S. S. College, Pandalam
11	11 Kerala Girls Coy.	St. Joseph's College for Women, Alleppey
12	12 Kerala Girls Coy.	N. S. S. Hindu College, Changanacherry
13	13 Kerala Girls Coy	Assumption College, Changanacherry
14	14 Kerala Girls Coy	Bishop Chulaparambil Memorial College, Kottayam
15	15 Kerala Girls Coy	Mar Athanasius College, Kothamangalam
16	16 Kerala Girls Coy.	St. Teresa's College, Ernakulam
17	17 Kerala Girls Coy	Government Victoria College, Palghat
18	18 Kerala Girls Coy	Government [illegible] College, [illegible]

Note.— [illegible]

APPENDIX V

Scholarships, Medals and Prizes

During the year under report the following Scholarships were awarded to the students noted under each :—

I. University Merit Scholarships of the annual value of Rs. 480/- each for the Pre-University course for 1963-'64

	Name of student	College in which studying
1.	Shri K. Narayanan	Intermediate College, Trivandrum.
2.	Shri N. Jayakumar	do.
3.	Shri G Viswanantha Das	do.
4.	Shri Raja Titus Mathew	do.
5.	Shri B. Vijayakumar	do.
6.	Shri K. Raveendran Nair	do.
7.	Shri K. Narayana Iyer	do.
8.	Smt. Mariamma Kurien	College for Women, Trivandrum.
9.	Smt. S. Padmaja Devi	do.
10.	Smt. V. Radha	do.
11.	Smt. Sali George	do.
12.	Smt. T. Vijayakumari Amma	do.
13.	Smt. R. Saradambika	do.
14.	Smt. Anna Kurien	do.
15.	Shri Yegnaraman	Maharaja's College, Ernakulam.
16.	Smt. T. R. Bhavani	do.
17.	Smt. Asalatha Thampuran	do.
18.	Shri Shaji Peter	do.
19.	Shri T.R. Venkitaraman	do.
20.	Shri P.K. Mohandas	do.
21.	Smt. Maimie Thomas	do.
22.	Smt. C.K. Lakshmi	Government College, Chittur.
23.	Shri C.R. Balasubramonian	do.
24.	Shri P.N. Radhakrishnan	do.
25.	Shri K. V. Rajendran	Government Victoria College, Palghat.
26.	Shri K. Prabhakaran	do.
27.	Shri K. Rames Das	do.
28.	Shri E. Unnikrishnan	Government Brennen College, Tellicherry.
29.	Shri Ganapathy Rao	do.
30.	Shri U. Sreekrishnan	Government College, Kasaragod.
31.	Shri P. Muralikrishnan	do.

	Name of student	College to which attached
32	Sri K. Damodaran	Government College, Kasaragod
33	Sri Venkatanarayana Bhat	do.
34	Smt. Sobha Susan Varghese	Union Christian College, Alwaye
35	Smt. Valsa John	do.
36	Sri Joseph Stanis	do.
37	Smt. Anna Annie John	do.
38	Sri P.G. Mohan	do.
39	Sri P.N. Pankajakshan Nair	do.
40	Sri Thomas Sebastian	St Berchmans' College, Changanacherry
41	Sri M. Thomas Mathew	do.
42	Sri K.P. Kesava Kaimal	do.
43	Sri C.R. Janardhanan Nair	do.
44	Sri Thomas Varghese	do.
45	Smt. S. Kamalam	C.M.S. College, Kottayam
46	Smt. Mary David	do.
47	Sri E. Viswambharan	Sanatana Dharma College, Alleppey
48	Sri K. Gopalakrishnan	do.
49	Sri P.V. John	Mar Ivanios College, Trivandrum
50	Sri C.S. Sambasivan	Sree Narayana College, [illegible]
51	Sri P.N. Latheef	do.
52	Sri G. [illegible]	do.
53	Sri G. Rajasekharan Nair	N.S.S. Hindu College, Changanacherry
54	Sri S. Lakshminarayanan [illegible]	N.S.S. College, [illegible]
55	Sri G. Vasudevan Nair	do.
56	Sri M.M. [illegible]	St Thomas College, Pala
57	Smt. K.J. Mani[illegible]	do.
58	Sri [illegible] Thomas	do.
59	Sri [illegible] Nair	Catholicate College, [illegible]
60	Sri M. George	Nirmala College, [illegible]
61	Sri [illegible]	[illegible]
62	Sri [illegible]	[illegible]
63	Sri [illegible]	do.
64	Sri [illegible]	[illegible]
65	Sri M. [illegible]	[illegible]

	Name of student	College in which studying
66.	Shri Mani Menon	St. Thomas College, Trichur.
67.	Shri K.K. Sashikumaran	do.
68.	Shri K. Kochukrishnan	do.
69.	Shri P.S. Raman	do.
70.	Shri C. Vasudevan	do.
71.	Shri Balachandran Thampuran	do.
72.	Shri M.R. Gopalakrishnan	Sree Kerala Varma College, Trichur.
73.	Smt. Achamma Alexander	Assumption College, Changanacherry.
74.	Smt. K.M. Anna	do.
75.	Smt. R. Rosamma Joseph	do.
76.	Smt. K.S. Bhagyalakshmy	St. Mary's College, Trichur.
77.	Smt. Anna J. Mandy	do.
78.	Shri B. Abdul Lathief	St. Joseph's College, Devagiri.
79.	Shri P.V. Narayanan Nambiar	Sree Narayana College, Cannanore.
80.	Shri P. Ramadasan	N.S.S. College, Ottapalam.

II. H. H. The Maharaja's Scholarships of the annual value of Rs. 120/- each for the Pre-University course for 1963-'64

	Name of student	College in which studying
1.	Shri T. Abdulla Koya	Intermediate College, Trivandrum.
2.	Shri V. Garudeswara Iyer	do.
3.	Smt. Sosamma Philipose	College for Women, Trivandrum.
4.	Smt. Mary Kuruvila	do.
5.	Shri K. Pushpangadhan	Maharaja's College, Ernakulam.
6.	Shri K. Paramesh	do.
7.	Shri Vijayakumar Premchand	do.
8.	Smt. V. K. Bhama	Government Victoria College, Palghat.
9.	Smt. P. M. Rudrani	Government Brennen College, Tellicherry.
10.	Shri K. P. Panduranga Shenoi	Government College, Kasaragod.
11.	Shri Thomas Varghese	Union Christian College, Alwaye.
12.	Shri T. K. Chandra Bose	do.
13.	Shri P. C. Jose	do.
14.	Shri M. M. Thomas	St. Berchmans' College, Changanacherry.
15.	Shri M R. Ananthanarayanan	C. M. S. College, Kottayam.

	Name of Student	College and Location
19.	Sri K. Thiagarajan	Sree Narayana College, [illegible]
20.	Sri N. V. Premakumar	Malabar Christian College, Calicut
21.	Sri V. R. Balakrishnan	St. Thomas College, Trichur
19.	Smt. K. Santha [illegible]	St. Mary's College, Trichur
[illegible]	Smt. C. C. Katherine	do
21.	Smt. M. Gowri Devi	do
22.	Smt. K. S. Margaret Jane	St. Teresa's College, Ernakulam
23.	Sri K. C. Mathew	St. Joseph's College, Devagiri
24.	Sri C. Krishnankutty	do
25.	Sri P. Sasidharan	do
26.	Sri P. H. Krishnan	do

(b) [illegible] Merit Scholarships [illegible]

[illegible] B.Sc., B.Com. Degree [illegible]

(Faculty [illegible])

Subject	Name of Student	College and Location
[illegible]	Sri George Joseph	St. Thomas College, Pala
[illegible] 1.	Smt. Lalla Thomas	College for Women, Trivandrum
2.	Smt. S. Padma	do
3.	Smt. P. Nirmala	do
4.	Sri C. K. [illegible]	[illegible] Mar [illegible] College, [illegible]
[illegible]	Smt. [illegible] Haran	Providence Women's College, Calicut
[illegible]	Smt. [illegible]	St. Teresa's College, Ernakulam
7.	Smt. [illegible]	do
[illegible] 1.	Smt. [illegible]	[illegible] College, Trivandrum
2.	Smt. [illegible]	[illegible] College, Trivandrum
3.	[illegible]	[illegible]
4.	[illegible]	[illegible]
[illegible] 1.	[illegible]	[illegible]
2.	[illegible]	[illegible]
[illegible]	[illegible]	do

Subject		Name of student	College in which studying
Physics	9.	Shri K. Sankaranarayanan	Maharaja's College, Ernakulam
	10.	Shri Parameswara Rao	do
	11.	Shri T. Ramakrishnan	do
	12.	Shri A. V. Ramaswamy	Government College, Chittur
	13.	Shri K. Venkataraman	Government Victoria College, Palghat
	14.	Smt. Grace K. Joseph	Mar Thoma College, Tiruvalla
	15.	Shri George K. Jacob	Catholicate College, Pathanamthitta
	16.	Shri K. M. George	Nirmala College, Muvattupuzha
	17.	Smt. Mami Jacob	St. Teresa's College, Ernakulam
	18.	Smt. Lucy Amma Cyriac	do
Chemistry	1.	Shri T. S. Jagannathan	University College, Trivandrum
	2.	Shri R. Krishnan	do
	3.	Shri Chacko Zacharia	do
	4.	Shri P. Chandrasekhar	do
	5.	Shri C. R. Ananthakrishnan	Government College, Chittur
	6.	Smt. T. A. Nirmala	Government Victoria College, Palghat
	7.	Shri George Joseph	St. Berchmans College, Changanacherry
	8.	Shri P. [illegible]	Sanatana Dharma College, Alleppey
	9.	Smt. [illegible]	Mar Ivanios College, Trivandrum
	10.	Shri K. V. John	do
	11.	Shri N. Ramachandran	do
	12.	Shri Joseph Kurian [illegible]	St. Thomas College, Pala
	13.	Shri P. P. George [illegible]	do
	14.	Shri T. T. Thomas	Catholicate College, Pathanamthitta
	15.	Shri [illegible]	Nirmala College, Muvattupuzha

Subject		Name of student	College in which studying
Chemistry	16.	Shri Aravinda Raja	St. Thomas College, Kozhencherry.
	17.	Shri C. Satheesan	Sree Sankara College, Kalady.
	18.	Smt. T.R. Radha Varma	Sree Kerala Varma College, Trichur.
	19.	Smt. A. Lalitha	do.
	20.	Smt. N.S. Vijayalakshmi	do.
	21.	Smt. R. Vrinda	Sree Narayana College for Women, Quilon.
	22.	Smt. Mariamma Varghese	Assumption College, Changanacherry.
	23.	Smt. V.K. Subhadra	St. Mary's College, Trichur.
	24.	Smt. P. Indira	do.
Botany	1.	Shri Thomas Paul	University College, Trivandrum.
	2.	Smt. Vimala Krishna Pillai	College for Women, Trivandrum.
	3.	Smt. K. Mary Thomas	do.
	4.	Shri A.C. Neelakantan	St. Thomas College, Trichur.
	5.	Smt. P. Prasannakumari	St. Mary's College, Trichur.
	6.	Shri T. Joseph	St. Joseph's College, Devagiri.
Zoology	1.	Smt. Suseela Elizabeth John	College for Women, Trivandrum.
	2.	Smt. K.S. Sarojaya	do.
	3.	Smt. Mary Mathew	Maharaja's College, Ernakulam.
	4.	Shri P.J. Jose	Sanatana Dharma College, Alleppey.
	5.	Shri K.M. Sebastian	St. Thomas College, Palai.
	6.	Shri M.R. Parameswaran	St. Albert's College, Ernakulam.
	7.	Shri A.D. Krishnan	St. Thomas College, Trichur.
	8.	Shri Prakash Sankaranarayanan	do.
	9.	Smt. Veronica T. Joshy	St. Joseph's College for Women, Alleppey.
	10.	Shri Jacob Kurian	Sacred Heart College, Thevara.
Geology		Shri Joseph Mathew	University College, Trivandrum.
Home Science	1.	Smt. A.N. Dhanyakumari	C.M.S. College, Kottayam.
	2.	Smt. Rushnavi Manikiji	St. Teresa's College, Ernakulam.
	3.	Smt. Ravikala Kamath	do.

VI. Lady Willingdon Scholarships of the annual value of Rs. 180 each for B. A. / B. Sc. / B. Com. Degree courses awarded for 1963-'64

(Tenable for 3 years)

	Name of student	College in which studying
1.	Smt. R. Radhamma	College for Women, Trivandrum.
2.	Smt. S. Jaya	do.
3.	Smt. T. A. Rugmini	Government College, Chittur.
4.	Smt. S. V. Gayatry	Malabar Christian College, Calicut.

VII. University Merit Scholarships of the annual value of Rs. 900/- each for M. A. / M. Sc. / M. Com. / M. L. Degree courses for 1963-'64

(Tenable for 2 years)

Subject	Name of Student	College in which studying
Politics	Shri P. T. Ouseph	University Department of Politics, Trivandrum.
Economics	1. Smt. Sosa George	University Department of Economics, Trivandrum.
	2. Shri Thomas Karuvilla	do.
	3. Smt. P. Sarasija Pillai	do.
Philosophy	Smt. G Chandrika Devi	University College, Trivandrum.
English	Shri V. Mani Jacob	University College, Trivandrum.
Malayalam	1. Shri K. A. Augusthy	Maharaja's College, Ernakulam.
	2. Shri C. K. Appukuttan	do.
Sanskrit	Shri M. P. Padmanabhan Nair	Sanskrit College, Trivandrum.
Hindi	Smt. A. Rema	University Department of Hindi, Ernakulam.
Mathematics	1. Shri K. S. Vijayan	Maharaja's College, Ernakulam.
	2. Smt. M. Gouri	do.
	3. Shri S. Radhakrishnan Chettiar	Sree Narayana College, Quilon.
	4. Shri K. Gopinatha Pillai	do.
Statistics	1. Shri D. N. Raman	University Department of Mathematics & Statistics, Trivandrum.
	2. Shri S. Renganathan	do.
	3. Shri P. Narayana Rao	Government Victoria College, Palghat.

Subject	Name of the Teacher	College where working
Physics	1. Shri C. P. George Vallabhan	Maharaja's College, Ernakulam
	2. Shri M. Cleetus	do
	3. Smt. K. Veeralakshmi	do
	4. Shri Joseph Mathew	do
	5. Shri V. L. Lazarus	do
	6. Shri M. R. Jayaraman	St. Thomas College, Trichur
[illegible]	Shri V. Balasubramaniam	Government Victoria College, Palghat
Chemistry	1. Smt. Thara Lampi	University College, Trivandrum
	2. Shri P. C. Varghese	C.M.S. College, Kottayam
	3. Smt. S. Geetha	do
	4. Shri M. J. Chandy	do
	5. Shri P. Sivadasan	St. Thomas College, Trichur
	6. Shri T. J. Mathew	Sacred Heart College, Thevara
Applied Chemistry	Smt. D. Leela	Maharaja's College, Ernakulam
[illegible] Chemistry	Shri G. Pushpangadan	University Dept. of Chemistry, Trivandrum
Botany	1. Smt. N. S. Saraswathy	Maharaja's College, Ernakulam
	2. Smt. C. [illegible] Joseph	St. Berchmans College, Changanacherry
	3. Shri P. N. George	do
	4. Smt. M. M. [illegible]	St. Thomas College, [illegible]
	5. Shri Mani Thomas	do
Zoology	1. Shri P. C. [illegible] Rahman	[illegible]
	2. Smt. N. I. Geetha Bhaskar	University College, Trivandrum
	3. Smt. A. [illegible]	Maharaja's College, Ernakulam
Commerce	Smt. P. [illegible]	[illegible]
Law	[illegible]	[illegible]

VIII. University Merit Scholarships of the annual value of Rs. 480/-each for the Pre-degree course for 1964-'65

(Tenable for 2 years)

	Name of Student	*College in which studying*
1.	Shri S. Sankar	Intermediate College, Trivandrum.
2.	Shri K. A. Abdul Hakeem	do.
3.	Shri M. P. Muraleedharan	do.
4.	Shri A. Jayashankar	do.
5.	Shri B. Sasidharan Nair	do.
6.	Shri Babu Joseph	do.
7.	Shri S. Narayanan Nair	do.
8.	Shri N. Krishnan Nair	do.
9.	Shri K. Ravindran Nair	do.
10.	Shri Kevin Fernandez	do.
11.	Shri N. Venkiteswaran	do.
12.	Shri Y. Rafeek	do.
13.	Shri P. P. Thankachan	do.
14.	Shri N. Ramachandran Nair	do.
15.	Smt. Yasmin Thomas	College for Women, Trivandrum.
16.	Smt. S. Latha	do.
17.	Smt. Hansa Nair	do.
18.	Smt. Lalitha Koshi	do.
19.	Smt. G. P. Bhagavathy	do.
20.	Smt. Syamala Mary Thomas	do.
21.	Smt. N. Shanta	do.
22.	Smt. T. L. Jaffie Rita	do.
23.	Smt. L. Ambika Devi	do.
24.	Smt. S. Shanthamani	do.
25.	Smt. Susan Jacob	do.
26.	Smt. R. Kalliani Ammal	do.
27.	Smt. A. K. Sarada	do.
28.	Shri V. Jagadeesh	Maharaja's College, Ernakulam.
29.	Smt. G. Sethulakshmi	do.
30.	Smt. Reena K. Baby	do.
31.	Shri G. Gokulnath	do.
32.	Shri K. S. Venukuttan	do.
33.	Smt. T. M. Vijayakumari	do.
34.	Smt. V. R. Rugmani	do.
35.	Smt. Susan Abraham	do.
36.	Smt. Celine Mathew	do.

	Name of Student	College and University
37.	Shri S. Narayana [illegible]	Government College, [illegible]
38.	Shri K. [illegible]	Government [illegible] College, [illegible]
39.	Smt. N. C. [illegible]	Government [illegible] College, Tellichery
40.	Shri K. [illegible]	Government College, [illegible]
41.	Shri M. Sree Rama Bhat	do
42.	Smt. Mary George	[illegible] College, [illegible]
43.	Smt. Mary [illegible]	do
44.	Shri P. S. [illegible]	St. [illegible] College, [illegible]
45.	Shri L. D. Joseph	do
46.	Shri Joseph J. [illegible]	do
47.	Shri M. [illegible] George	do
48.	Shri P. M. [illegible]	C. M. S. College, [illegible]
49.	Shri K. N. [illegible]	do
50.	Shri G. Thomas	do
51.	[illegible]	do
52.	[illegible] Thomas	[illegible] College, [illegible]
53.	[illegible]	[illegible] College, [illegible]
54.	[illegible]	do
55.	[illegible]	do
56.	[illegible]	[illegible] College, [illegible]
57.	[illegible]	do
58.	[illegible]	do
59.	[illegible]	[illegible] College, [illegible]
60.	[illegible]	do
61.	[illegible]	do
62.	[illegible]	do
63.	[illegible]	[illegible]
64.	[illegible]	[illegible]
65.	[illegible]	[illegible]
66.	[illegible]	do
67.	[illegible]	do
68.	[illegible]	do
69.	[illegible]	do
70.	[illegible]	do

	Name of student	*College in which studying*
71.	Smt. Alphonsamma K. Varghese	Assumption College, Changanacherry.
72.	Smt. P. Sumathy	Little Flower College, Guruvayoor.
73.	Smt. N. K. Girija Devi	St. Mary's College, Trichur.
74.	Smt. Annie George	do.
75.	Smt. Geetha Thalakkara	do.
76.	Smt. Soosan Chacko	do.
77.	Smt. Sulekha V. Menon	do.
78.	Smt. K. Parvathy	do.
79.	Smt. N. S. Manjari Amma	do.
80.	Smt. Mariamma Jacob	St. Teresa's College, Ernakulam.
81.	Smt. K. Indira Menon	do.
82.	Smt. S. Karmala Devi	do.
83.	Smt. T. Mary Joseph	do.
84.	Smt. Thresiamma Augustine	do.
85.	Smt. Elizabeth Philip	do.
86.	Shri K. V. Vijayachandran	N. S. S. Arts and Science College, Ottapalam.
87.	Shri R. Swaminathan	do.
88.	Smt. J. S. Jameela	All Saints' College for Women. Trivandrum.
89.	Smt. C. S. Meenakshy	do.
90.	Smt. P. Anni Mani	Alphonsa College for Women, Palai.
91.	Smt. L. Sarasa Kumari	do.
92.	Shri Y. Geevarghese	Bishop Moore College, Mavelikara.
93.	Shri Abey Emmanuel	Deva Matha College, Kuravilangad.
94.	Shri P. N. Kumaran	do.
95.	Smt. K. M. Sumathykutty	do.
96.	Shri R. Sreeranganathan Nair	Devaswom Board College, Sasthamcottah.
97.	Shri Sovi Joseph	Kuriakose Elias College, Mannanam.
98.	Smt. N. Chandrakala	Mercy College for Women, Palghat.
99.	Smt. V. A. Sleeba Kunju	St. Peter's College, Kolencherry.
100.	Shri N. I. Abraham	St. Stephen's College, Uzhavoor.

H. *H.H. The Maharaja's Scholarships of the annual value of Rs. 150 each for the Predegree course for 1964-'65*

(Tenable for 2 years)

Out of the 27 H.H. The Maharaja's Scholarships for the Pre-degree course for the year 1964-'65, 5 awards were made to the following students during the year under report:—

Name of student	*College in which studying*
1. Sri P. T. Abraham	C.M.S. College, Kottayam
2. Sri P.G. Radhakrishnan	Sree Narayana College, Quilon
3. Smt. N. Nalini	N. S. S. Hindu College, Changanacherry
4. Sri P.T. Thomas	St. Thomas College, Palai
5. Smt. Philomena Mathew	B.C.M. College for Women, Kottayam

I. *University Merit Scholarships of the annual value of Rs. 400 each for B.A./B.Sc./B.Com. Degree courses for 1964-'65*

(Tenable for 3 years)

Subject	*Name of student*	*College in which studying*
History	1. Smt. Renuka Raghavan	Maharaja's College, Ernakulam
	2. Nazeem Chida	do
	3. Smt. N. Seemanthini Bai	St. Joseph's College for Women, Alleppey
Economics	1. Smt. R. Mangalam	College for Women Trivandrum
	2. Smt. S. Lakshmi	do
	3. Smt. H. Nirmala	do
	4. Sri P. Yagnaraman	Maharaja's College, Ernakulam
	5. Sri K. Paramesh	do
	6. Sri K.M. Varghese	St. Berchmans' College Changanacherry
	7. Sri P.J. Sebastian	St. Thomas College, Trichur
	8. Kumari Kalyani	St. Mary's College, Trichur
	9. Sri A.U. Varghese	Sacred Heart College Thevara
Politics	1. Smt. Anna Koshy	University College, Trivandrum
	2. Smt. V.S. Vatsala Kumari	do

Subject	*Name of student*	*College in which studying*
English	3. Shri K.B. Venugopal	University College, Trivandrum.
	4. Shri D. Varkey	do.
	5. Shri C.M. Jose	do.
	6. Shri Thomas George	St. Berchmans' College, Changanacherry.
	7. Shri Joseph J. Joseph	do.
	8. Shri T. V. Thomas	C.M.S. College, Kottayam.
	9. Smt. Lida D'cruesy	St. Teresa's College, Ernakulam.
Sanskrit	1. Smt. K. Padmavathy	Government Sanskrit College, Tripunithura.
	2. Smt. O. Valsala	do.
	3. Smt. T.N. Vijayakumari	do.
	4. Shri V. P. Sivasankaran Nair	Sree Sankara College, Kalady.
Hindi	1. Smt. S. Rajammal	University College, Trivandrum.
	2. Shri K. Sundareswaran	Maharaja's College, Ernakulam.
Mathematics	1. Shri N. K. Sukumaran Nair	University College, Trivandrum.
	2. Shri P. Krishnan	Government College, Chittur-Cochin.
	3. Smt. K. Bhagyam	do.
	4. Shri T. B. Anantha-narayanan	do.
	5. Shri S. Rajan	St. Berchmans' College, Changanacherry.
	6. Shri P. J. Thomas	Sanatana Dharma College, Alleppey.
	7. Smt. Nirmala Bai	Nirmala College, Muvattupuzha.
	8. Smt. S. Sita	Malabar Christian College, Calicut.
	9. Shri N. R. Parameswaran	Sree Kerala Varma College, Trichur.
	10. Shri K. S. Neelakandan	do.
	11. Smt. Mallaya U. Leela	Sree Narayana College for Women, Quilon.

Subject	Name of the Guide	College and place where working
Mathematics	12. Smt. Josephina Lukose	B. C. M. College for Women, Kottayam
	13. Smt. Theresa Joseph	St. Teresa's College, Ernakulam
	14. Shri P. C. Pothen	St. Joseph's College, Devagiri
Physics	1. Shri T. S. Ramakrishnan	University College, Trivandrum
	2. Shri K. Cherian Varughese	do
	3. Smt. S. Sudha Devi	College for Women, Trivandrum
	4. Shri D. K. Mohana-chandra Kartha	Maharaja's College, Ernakulam
	5. Shri C. Divakaran	Government College, Chittur, Cochin
	6. Shri P. Ganesan	do
	7. Shri N. Narayanan Kutty	Union Christian College, Alwaye
	8. Shri John Philip [illegible]	Mar Thoma College, Tiruvalla
	9. Shri C. P. Parameswaran	Nirmala College, Muvattupuzha
	10. Smt. C. G[illegible]	Sree Kerala Varma College, Trichur
	11. Smt. P. [illegible]	Sree Narayana College for Women, [illegible]
	12. Smt. [illegible]	[illegible] College, [illegible]
	13. Smt. M. [illegible]	St. Mary's College, Trichur
	14. Smt. [illegible]	St. Teresa's College, Ernakulam
	15. Smt. [illegible]	do
	16. Smt. [illegible]	do
	17. Shri [illegible]	[illegible] College, [illegible]
[illegible]	1. Shri R. [illegible]	[illegible]
	2. [illegible]	[illegible]

Subject		Name of student	College in which studying
Chemistry	3.	Shri T. R. Venkita-raman	Maharaja's College, Ernakulam.
	4.	Shri M. Sudersanan	do.
	5.	Smt. Nirmala Thampuran	do.
	6.	Shri R. Sivarama-krishnan	do.
	7.	Shri M. Rajagopalan	do.
	8.	Shri J. N. John Cyriac	St. Berchmans' College, Changanacherry.
	9.	Shri V. Purushothaman Pillai	N. S. S. College, Pandalam.
	10.	Shri A. Jacob Abraham	Fatima Mata National College, Quilon.
	11.	Shri V. C. Job	Mar Thoma College, Thiruvalla.
	12.	Shri P. T. Issac	do.
	13.	Shri N. M. George	Nirmala College, Muvattupuzha.
	14.	Shri V. K. Sasidharan	Christ College, Irinjalakuda.
	15.	Smt. Prabha Arundathi	Malabar Christian College, Calicut.
	16.	Smt. S. Kamalam	B. C. M. College for Women, Kottayam.
	17.	Smt K. S. Bhagya-lakshmy	St. Mary's College. Trichur.
	18.	Shri G. Georgekutty	St. Joseph's College, Devagiri.
Botany	1.	Smt. Girija Priya Darsini	College for Women, Trivandrum.
	2.	Kumari S. Jaya	do.
	3.	Smt. Vinatha Devi	Maharaja's College, Ernakulam.
	4.	Smt. S. Lalithakumari	C. M. S. College, Kottayam.
	5.	Smt. K. Kallianikutty	Sree Kerala Varma College, Trichur.
	6.	Smt. Vijayalakshmi Kasthoori	Sree Narayana College, for Women. Quilon.

[illegible]		Name of Candidate	College and Station
[illegible]	7.	Smt. M. Mary Magdalene	[illegible] College, [illegible]
	8.	Smt. P. T. Annie	St. [illegible] College, [illegible]
[illegible]	1.	Smt. [illegible] Chrisman	College [illegible], [illegible]
	2.	Smt. M. [illegible]	[illegible] College, [illegible]
	3.	Smt. T. J. Thresia	do.
	4.	Smt. L. [illegible]	do.
	5.	Smt. G. [illegible]	[illegible] College, [illegible]
	6.	Smt. [illegible]	St. [illegible] College, [illegible]
	7.	Smt. Annie [illegible]	St. Teresa's College, [illegible]
	8.	Smt. L. J. Joseph	St. [illegible] College, [illegible]
	9.	Smt. K. J. Thomas	do.
[illegible]		Smt. K. Narayani Amma	Government College, [illegible]
[illegible]	1.	Smt. K. [illegible]	College [illegible], [illegible]
	2.	Smt. A. [illegible]	do.
	3.	Smt. [illegible] Chrysan	St. [illegible] College for Women, [illegible]
	4.	Smt. Maria [illegible]	St. Teresa's College, [illegible]
	5.	Smt. [illegible]	do.
[illegible]	1.	Smt. M. [illegible]	[illegible]
	2.	Smt. [illegible]	[illegible]
	3.	[illegible]	[illegible]
	4.	[illegible]	[illegible]
	5.	[illegible]	do.

XI. University Merit Scholarships of the annual value of Rs. 900/- each for M.A./M.Sc. M.Com., M.Ed. Degree courses for 1964-'65

(Tenable for 2 years)

Subject		*Name of student*	*College in which studying*
History		Shri P. K. Balakrishnan	Government Brennen College, Tellicherry.
Economics	1.	Shri C. N. Somasekharan Nair	University College, Trivandrum.
	2.	Shri P. Madhavan Nair	do.
	3.	Smt. S. Bhagavathi Ammal	Maharaja's College, Ernakulam.
	4.	Smt. K. Jani	do.
	5.	Shri M. Ramachandran Ballullaya	Guruvayurappan College, Calicut.
	6.	Shri P. James Jayarajan	do.
Philosophy		Smt. Sreekumari Amma	University College, Trivandrum.
Psychology	1.	Smt. G. Radhakumari	University Department of Psychology, Trivandrum.
	2.	Shri Krishna Prasad Sreedhar	do.
Sociology	1.	Shri T. J. John	Loyola College, Trivandrum.
	2.	Smt. P. Rajalekshmi	do.
English		Shri Korah J. Punnathura	C. M. S. College, Kottayam.
Malayalam	1.	Smt. R. Saraswathykutty Amma	Sree Narayana College, Quilon.
	2.	Smt. M. N. Prabhavathy	do.
Sanskrit	1.	Smt. M. Shanthi Chandra Kamath	University College, Trivandrum.
	2.	Shri G. Mohanakumaran	Sanskrit College, Trivandrum.
Hindi	1.	Smt. C. Ponnammal	University College, Trivandrum.
	2.	Smt. L. Sunnetha Bai	Maharaja's College, Ernakulam.
	3.	Smt. N. Vasundara Shenoi	do.

Subject	Name of student	College to which attached
Malayalam	1. Shri S. Muraleedharan Nair	University College, Trivandrum
	2. Smt. A. Vimala	do
	3. Shri C. Balakrishnan	do
	4. Shri M. N. Sukumaran	do
	5. Shri E. I. Sulaiman	Maharaja's College, Ernakulam
	6. Smt. K. P. Syamala Kumari	do
	7. Shri P. V. Thomas Kutty	do
	8. Smt. P. M. Soudamini	do
	9. Shri R. Ravindran	Sree Narayana College, Quilon
	10. Shri G. Damodaran Nair	N. S. S. Hindu College, Changanacherry
	11. Smt. N. N. Vatsala Kumari	[illegible] College, [illegible]
	12. Shri P. P. [illegible]	do
	13. Shri O. T. George	St. Thomas College, Trichur
[illegible]	1. Shri K. Appanna Kamath	Government Victoria College, Palghat
	2. Smt. P. L. Nagambal	do
	3. Shri K. [illegible]	do
	4. Smt. P. A. Meenakshi	do
[illegible]	1. Smt. C. K. Rajamma	University College, Trivandrum
	2. Smt. K. Aleyamma George	do
	3. [illegible]	do
	4. [illegible] K. P. [illegible]	Maharaja's College, Ernakulam
	5. [illegible] N. [illegible]	do
	6. [illegible] M. A. [illegible]	do
	7. [illegible]	[illegible] College, [illegible]
	8. [illegible]	[illegible]

Subject		Name of Student	College in which studying
Physics	9.	Shri Abraham Varghese	Union Christian College, Alwaye.
	10.	Shri K. V. Titus	do.
	11.	Shri T. K. Avirah	do.
	12.	Shri G. Sivasankara Pillai	Fatima Mata National College, Quilon.
	13.	Shri M. K. Padmanabhan	St. Thomas College, Trichur.
Applied Physics	1.	Shri T. R. Lakshminarayana	Government Victoria College, Palghat.
	2.	Smt. M. Vijayalekshmi	do.
Chemistry	1.	Smt. M. Sukunda	University College, Trivandrum.
	2.	Shri K. Ayyappan Nair	do.
	3.	Shri M. Ravindranathan	Maharajas' College, Ernakulam.
	4.	Smt. M. Chandramoni	do.
	5.	Smt. Mariam George	do.
	6.	Smt. T. K. Vasanthy	do.
	7.	Shri T. J. Joseph	St. Berchman's College, Changanacherry.
	8.	Shri P. T. Thomas	do.
	9.	Shri P. Abhilash Kumaran	do.
	10.	Smt. Sosannamma Joseph	C. M. S. College, Kottayam.
	11.	Smt. Gracy Philip	do.
	12.	Shri V. N. Sivasankara Pillai	do.
	13.	Shri H. S. Mony	Sree Narayana College, Quilon.
	14.	Shri T. K. Parasuraman	St. Thomas College, Trichur.
	15.	Shri M. J. Isaac	Sacred Heart College, Thevara.
Applied Chemistry	1.	Smt. S. Ananthalekshmy Ammal	Maharaja's College, Ernakulam.
	2.	Shri K. Devadasan	do.
Analytical Chemistry	1.	Smt. P. R. Girija Varma	University Department of Chemistry, Trivandrum.
	2.	Shri R. Krishnan	do.

Subject		Name of Student	College and Location
[illegible]	1.	Smt. S. B. Deepthi	University Department of Botany, Calicut
	2.	Smt. Leelamma Kuruvilla	University College, Trivandrum
	3.	Shri N. K. Soman	Maharaja's College, Ernakulam
	4.	Smt. K. Vijaya Bai	do
	5.	Smt. N. C. Jalaja	do
	6.	Smt. Sophiamma Paul	St. Berchmans' College, Changanacherry
	7.	Shri C. O. Varkey	St. Thomas College, Pala
	8.	Smt. Annamma Mathew	Fatima Mata National College, Quilon
Zoology	1.	Shri P. T. Govindan Nambiar	University College, Trivandrum
	2.	Smt. Achamma Varghese	do
	3.	Shri K. G. Narayana Pillai	do
	4.	Smt. K. K. Sreedevi Amma	do
	5.	Smt. Mary Thomas	Maharaja's College, Ernakulam
	6.	Shri Sebastian Thomas	Fatima Mata National College, Quilon
	7.	Smt. K. Teresa	do
	8.	Shri P. Haridas	Christ College, Irinjalakuda
	9.	Shri A. V. Thampi	do
Marine Biology & Oceanography	1.	Shri C. J. Cherian	University Department of Marine Biology & Oceanography, Ernakulam
	2.	Shri P. Narayanankutty	do
	3.	Shri Punnoose K. Zachariah	do
[illegible]		Smt. S. G. [illegible] Devi	St. Teresa's College, Ernakulam
Agriculture		Smt. D. Chandramony	Agricultural College, Vellayani
[illegible]		Shri K[illegible] Pala	Christ College, Irinjalakuda
[illegible]		Shri [illegible]	University Department of [illegible], Trivandrum

XII. Endowment Scholarships

Name of Scholarship	To whom awarded	Value of the Scholarship	Tenure of the Scholarship
1. Ammukutty Rajagopalachari Scholarships, 1963-'64	1. Smt. J. Indira, Pre-University Class, College for Women, Trivandrum.	Rs. 10/- per mensem	One Year (1963-'64)
	2. Smt. M. Lakshmikumari, Pre-University Class, College for Women, Trivandrum.	do.	do.
	3. Smt. P. Prasannakumari, I D.C., University College, Trivandrum.	Rs. 15/- per mensem	Two Years (1963-'64 & 1964-'65)
2. V. K. R. Menon Memorial Scholarship, 1963-'64	Shri P. A. Joseph, I M.Sc. (Physics), Union Christian College, Alwaye.	Rs. 50/- per mensem	Two Years (1963-'64 & 1964-'65)
3. Travancore University Co-operative Stores Scholarship, 1963-'64	Shri N. Gopinathan, I D.C., Christ College, Irinjalakuda.	Rs. 120/- per annum	One Year (1963-'64)

Name of Scholarship	To whom awarded	Value of the Scholarship	Tenure of the Scholarship
[illegible] Memorial [illegible]	Smt. P. S. Vasantha, I D C, (English), University College, Trivandrum.	Rs. 14·75 per mensem	Three Years (1963-'64 to 1965-'66)
[illegible] Memorial [illegible] for Women, [illegible]	Smt. K. Girija, Pre-University Class, College for Women, Trivandrum.	Rs. 10·75 per mensem	Four Years (1963-'64 to 1966-'67)
[illegible]	[illegible], Second Year of the Five Year Integrated Course in Engineering, Regional Engineering College, Calicut	Rs. [illegible] per mensem	Four Years (1963-'64 to 1966-'67)
[illegible]	[illegible]	Rs. [illegible] per mensem	One year (1963-'64)

Name of Scholarship	*To whom awarded*	*Value of the Scholarship*	*Tenure of the Scholarship*
Technology Scholarships, 1963–'64 (Contd.)	2. Shri P. A. Mohammed Kunju, II year Automobile Engineering, Government Polytechnic, Kalamassery.	Rs. 7·50/- per mensem	One year (1964–'65)
	3. Shri V. V. Somasundaram, III Year Automobile Engineering, Government Polytechnic, Kalamassery.	do.	do.
Sakharam Row Public Library Free Membership, 1963–'64	Shri J. Venkitachala Sarma, II D. C., University College, Trivandrum (Continued for 1964–'65 also).	Subscription charges for a 'B' class membership in the Trivandrum Public Library	One year (1964–'65)
V. K. R. Menon Memorial Scholarship, 1964–'65	Smt. G. Padmakumari, I M. Sc. (Physics), Union Christian College, Alwaye.	Rs. 50/- per mensem	Two years (1964–'65 & 1965–'66)
Meenakshy Bhaskar Memorial Scholarship, 1964–'65 -	Smt. P. Sujatha, I D. C., College for Women, Trivandrum.	Rs. 60/- per annum	Three years (1964–'65 to 1966–'67)

[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	Sri K. V. [illegible], First Year Civil Engineering Class, College of Engineering, Trichur.	Rs. 2?/- per annum	One year (196?-6?)
[illegible]	1. Sri [illegible] Nair, I year Diploma Class.	Rs. 30/- per annum	One year (1964-65)
	2. Smt. S. [illegible], I Year Diploma Class	do.	do.
	3. Sri [illegible] Nair, II Year Diploma Class	Rs. 35/- per annum	do.
	4. [illegible], II Year Diploma Class	do.	do.

Medals and Prizes awarded during 1964

(i) Medals

	Name of award	*To whom awarded*
1.	Rajyasevaniratha K. G. Parameswaran Pillai Medal, 1964	Shri K. J. Chacko, St. Thomas College, Kozhencherry.
2.	Prakulam C. Padmanabha Pillai Memorial Medal, 1964	Smt. Lakshmi Natarajan, College for Women, Trivandrum.
3.	T. K. Joseph Medal, 1964	Smt. R. Saraswathykutty Amma, Sree Narayana College, Quilon.
4.	Athilakshmi Ammal Gold Medal, 1964	Shri Y. M. Faruq, University College, Trivandrum.
5.	Muttamma Muttunayagom Memorial Medal, 1964	Smt. A. Janaki Ammal, College for Women, Trivandrum.
6.	P. Sankunny Menon Dewan Peishkar's Gold Medal, 1964	Smt. K. Devi, University College, Trivandrum.
7.	Dr. A. Ramaswami Mudaliar Gold Medal, 1964	Shai K. J. Joseph, St. Thomas College, Palai.
8.	Madhavivilasathu Raman Velayudhan Nair Gold Medal, 1964	Smt. R. Sumangalakutty, University College, Trivandrum.
9.	P. G. Govinda Pillai Memorial Gold Medal, 1964	do.
10.	A. V. George Gold Medal, 1964 (Economics)	do.
11.	M. Govindan Memorial Gold Medal, 1964	Deacon C. C. Mathew, University College, Trivandrum.
12.	Meenakshi Amma Medal, 1964	Smt. R. Saraswathykutty Amma, Sree Narayana College, Quilon.
13.	Principal N. Gopala Pillai Shashtiabdapurthi Memorial Gold Medal, 1964	Shri R. Balakrishnan Nair, Sanskrit College, Trivandrum.

Name of award	To whom awarded
[illegible] Aundy Iyer Gold Medal, 1964	Shri R. Balakrishnan Nair, Sanskrit College, Trivandrum
[illegible] Thampi Memorial Medal, 1964	Shri G. Mohan Kumar, Sanskrit College, Trivandrum.
[illegible] Govinda Pillai Physical Culture Medal, 1964	Smt. Mariamma Kurien, College for Women, Trivandrum
[illegible] T. Madhava Row Medal, 1964	Smt. P. G. Savithri, St. Mary's College, Trichur
[illegible] M. Varkey Memorial Medal, 1964	Awarded equally to (i) Shri Ravi M. Mathew, University College, Trivandrum (ii) Smt. Lakshmi Natarajan, College for Women, Trivandrum
[illegible] Ramakrishna Iyer Memorial Gold Medal, 1964	Shri Ravi M. Mathew, University College, Trivandrum
[illegible] Iyer Memorial Medal, 1964	Shri K. S. Bose, Maharaja's College, Ernakulam
[illegible] Memorial Medal, 1964	Smt. M. Saroja, College for Women, Trivandrum
[illegible] Rajagopalachari Gold Medal, 1964	Smt. K. P. [illegible], Union Christian College, Alwaye
[illegible] Row Gold Medal, 1964	Smt. [illegible], Maharaja's College, Ernakulam
[illegible] Iyer Gold Medal, 1964	[illegible] University College, Trivandrum
[illegible] Iyer Memorial Medal, 1964	[illegible] University College, Trivandrum
[illegible] Iyer Memorial Gold Medal, 1964	[illegible] University College, Trivandrum

	Name of award		*To whom awarded*
27.	Dr. K. Bhaskaran Nair Gold Medal,	1964	Smt. Chinnakutty Thomas, University College, Trivandrum.
28.	Nagom Aiya Medal,	1964	Shri R. Unnikrishnan, University Department of Mathematics and Statistics, Trivandrum.
29.	Ross Gold Medal:		
		1957	Shri V. Bhaskaran Kartha
		1958	Shri S. Krishna Iyer
		1959	Shri A. R. Kalyanaraman
		1960	Shri S. Sankar
		1961	Smt. R. Chandramony Ammal
		1962	Shri Shri K. Mohanachandran
		1963	Shri M. Ahamed
		1964	Shri K. Venkatachalam
			(1957–1964): University College, Trivandrum.
30.	A. V. George Gold Medal, 1964 (Commerce)		Shri B. Vasanthan, Guruvayurappan College, Calicut.
31.	M. S. Menon Gold Medal, 1964		Smt V. L. Charlotte, Law College, Ernakulam.
32.	Malloor Govinda Pillai Gold Medal for Law, 1964		Awarded equally to:
		(i)	Shri K. R. Appukuttan Thampan, Law College, Trivandrum.
		(ii)	Shri R. Karunakaran Nayar, Law College, Trivandrum.
		(iii)	Shri A. J. Ephren, Law College, Ernakulam.
33.	Justice T. Kunhiraman Nair Gold Medal, 1964		Shri T. S. Radhakrishna Pillai, Law College, Ernakulam.
34	The Training College Shastiabdapurthi Memorial Medal, 1964		Smt. M. S. Gomathy Ammal, Government Training College, Trivandrum.

[illegible]	[illegible]
[illegible] Govinda Menon Gold Medal, 19[illegible]	Smt. Anna James [illegible], Mar Thoma [illegible] Training College, Trivandrum
1964	Smt. P. K. Devaki Amma, [illegible] Training College, [illegible]
[illegible] Iyer Gold Medal, 1964 (Civil Engineering)	Shri A. C. Mathew, College of Engineering, Trichur
Ananthasubba Iyer Gold Medal, 1964 (Mechanical Engineering)	Shri V. Balasubramaniam, College of Engineering, Trichur
[illegible] Memorial Medal, 1964	Shri A. C. Mathew, College of Engineering, Trichur
H. H. Prince [illegible] Memorial Gold Medal, 1964	Shri K. T. [illegible], T. K. M. College of Engineering, Quilon
George [illegible] Memorial Medal, 1964	Shri V. Venkataraman, College of Engineering, Trivandrum
Dr. K. [illegible] Prize Gold Medal, 1964	Smt. D. [illegible], Medical College, Trivandrum
Dr. P. S. [illegible] Iyer [illegible] Memorial Medal, 1964	[illegible]
T. N. [illegible] Gold Medal, 1964	Smt. [illegible], [illegible] College [illegible]
M[illegible] Gold Medal 1964	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

Name of award	To whom awarded
48. George Oommen Memorial Medal, 1963 (Foot-ball)	Shri C. P. Usman Koya, Malabar Christian College, Calicut.
49. Sri Chitra Fine Arts Medal, 1963	Shri Kazi Shamimuddin, Regional Engineering College, Calicut.
50. Sir C. P. Medal, 1964	Shri K. Radhakrishnan Nayar, Diploma course in Shorthand and Typewriting, Trivandrum.

(ii) Prizes

Name of award	To whom awarded
1. H. H. Princess Karthika Thirunal Prize, 1964	Smt. A. Janaki Ammal, College for Women, Trivandrum.
2. H. H. Marthandavarma Elaya Raja Prize, 1964	Smt. Lakshmi Natarajan, College for Women, Trivandrum.
3. Rajyasevapraveena Dr. C. V. Chandrasekharan Memorial Prize, 1964	Shri Ravi M. Mathew, University College, Trivandrum.
4. Prof. M. P. Paul Prize, 1964	Shri K. K. Abdul Majeed, Government Brennen College, Tellicherry.
5. The French Embassy's Prize, 1964	Smt. L. V. Alamelu, St. Teresa's College, Ernakulam.
6. Abadan Kerala Kala Samithi Prize, 1964	Shri K. J. Chacko, St. Thomas College, Kozhencherry.
7. K. P. Gopala Menon Prize, 1964	Shri Mistry Byramjee Macky, Government Brennen College, Tellicherry.
8. Prof. P. Sundaram Pillai Memorial Prize, 1964	Deacon C. C. Mathew, University College, Trivandrum.
9. Dr. K. Godavarma Memorial Prize, 1964	Awarded equally to: (i) Shri K. S. Rex, Maharaja's College, Ernakulam. (ii) Shri K. Saratchandran Nayar, Maharaja's College, Ernakulam.

Name of award	To whom awarded
[illegible] Press, 1954	Shri N. Rajagopalan, University Department of Tamil, Trivandrum.
[illegible] Press, 1954	Shri P. J. Mary, St. Teresa's College, Ernakulam.
[illegible] Press, 1954	Shri M. Chandran [illegible], Maharaja's College, Ernakulam.
[illegible] Memorial Prize, 1954	Shri K. S [illegible] Nair, Law College, Trivandrum.
[illegible] Memorial Prize, 1954	do.
[illegible] C. Padmanabha [illegible] Memorial Law Prize, 1954	Shri V. L. Charlotte, Law College, Ernakulam.
[illegible] Law Prize, 1954	Shri S. R. [illegible], Law College, Ernakulam.
[illegible] Prize, 1954	Shri [illegible], Law College, Ernakulam.
I. A. C. T. Prize, 1954	Shri V. T. [illegible], T. K. M. College of Engineering, Quilon.
[illegible] Prize, 1954	Shri N. [illegible] Nair, College of Engineering, Trivandrum.
[illegible] Prize, 1954	Shri O. [illegible], College of Engineering, Trichur.
[illegible] Prize, 1954	Shri V. Jiva, Medical College, Trivandrum.
[illegible] Prize, 1954	Shri P. V. [illegible], Government Polytechnic, [illegible]
[illegible] Prize, 1954	do.
[illegible] Prize, 1954	Shri V. [illegible] Pillai, Government High School for Boys, Haripad